

Sequence 8, Appli		Sequence 8, Appli		Sequence 8, Appli	
GenCore version 5.1.6		Sequence 1, Appli		Sequence 1, Appli	
Copyright (c) 1993 - 2005 Compugen Ltd.		Sequence 13, Appli		Sequence 9, Appli	
1 nucleic search, using sw model		Sequence 6, Appli		Sequence 10, Appli	
run on: July 5, 2005, 10:51:06 ; Search time 419.444 Seconds		(without alignments)		Sequence 11, Appli	
Sequence: 1 TTGGCCACTCCCTCTGCG.....CGCAGAGGGACTGCCAA 125		Sequence 12, Appli		Sequence 9, Appli	
scoring table: IDENTITY_NUC		Sequence 6, Appli		Sequence 10, Appli	
Gapop 10_0 , Gapext 1.0		Sequence 1, Appli		Sequence 11, Appli	
title: US-10-620-039-1_COPY_1_125		Sequence 2, Appli		Sequence 12, Appli	
perfect score: 125		Sequence 3, Appli		Sequence 6, Appli	
Sequence: 1869.194 Million cell updates/sec		Sequence 7, Appli		Sequence 1, Appli	
scoring table: Gapext 1.0		Sequence 3, Appli		Sequence 2, Appli	
searched: 6313374 seqs, 3136092125 residues		Sequence 3, Appli		Sequence 1, Appli	
total number of hits satisfying chosen parameters: 12626748		Sequence 10, Appli		Sequence 11, Appli	
minimum DB seq length: 0		Sequence 12, Appli		Sequence 13, Appli	
maximum DB seq length: 20000000000		Sequence 14, Appli		Sequence 15, Appli	
post-processing: Minimum Match 0%		Sequence 16, Appli		Sequence 17, Appli	
Maximum Match 100%		Sequence 18, Appli		Sequence 19, Appli	
Listing first 300 summaries		Sequence 20, Appli		Sequence 21, Appli	
Database :		Sequence 22, Appli		Sequence 23, Appli	
Published Applications_NA:		Sequence 24, Appli		Sequence 25, Appli	
1: /cggn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:**		Sequence 26, Appli		Sequence 27, Appli	
2: /cggn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:**		Sequence 28, Appli		Sequence 29, Appli	
3: /cggn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:**		Sequence 30, Appli		Sequence 31, Appli	
4: /cggn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:**		Sequence 32, Appli		Sequence 33, Appli	
5: /cggn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:**		Sequence 34, Appli		Sequence 35, Appli	
6: /cggn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:**		Sequence 36, Appli		Sequence 37, Appli	
7: /cggn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:**		Sequence 38, Appli		Sequence 39, Appli	
8: /cggn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:**		Sequence 40, Appli		Sequence 41, Appli	
9: /cggn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:**		Sequence 42, Appli		Sequence 43, Appli	
10: /cggn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:**		Sequence 44, Appli		Sequence 45, Appli	
11: /cggn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:**		Sequence 46, Appli		Sequence 47, Appli	
12: /cggn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq:**		Sequence 48, Appli		Sequence 49, Appli	
13: /cggn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:**		Sequence 50, Appli		Sequence 51, Appli	
14: /cggn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:**		Sequence 52, Appli		Sequence 53, Appli	
15: /cggn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:**		Sequence 54, Appli		Sequence 55, Appli	
16: /cggn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:**		Sequence 56, Appli		Sequence 57, Appli	
17: /cggn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:**		Sequence 58, Appli		Sequence 59, Appli	
18: /cggn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq:**		Sequence 60, Appli		Sequence 61, Appli	
19: /cggn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq:**		Sequence 62, Appli		Sequence 63, Appli	
20: /cggn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq:**		Sequence 64, Appli		Sequence 65, Appli	
21: /cggn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq:**		Sequence 66, Appli		Sequence 67, Appli	
22: /cggn2_6/ptodata/1/pubpna/US10J_PUBCOMB.seq:**		Sequence 68, Appli		Sequence 69, Appli	
23: /cggn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq:**		Sequence 70, Appli		Sequence 71, Appli	
24: /cggn2_6/ptodata/1/pubpna/US11B_PUBCOMB.seq:**		Sequence 72, Appli		Sequence 73, Appli	
25: /cggn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:**		Sequence 74, Appli		Sequence 75, Appli	
26: /cggn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:**		Sequence 76, Appli		Sequence 77, Appli	
Pred. No. 18 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.		SUMMARIES		SUMMARIES	
Result No.		Score		Query	
Match		Length		DB ID	
Score		Length		Description	

c	81	125	100.0	6924	14	US-10-340-112-9	Sequence 9, Appli	c 154	110	88.0	10398	9	US-09-757-673-1
c	82	125	100.0	6924	14	US-10-340-112-10	Sequence 10, Appli	c 155	110	88.0	10398	9	US-09-742-377-1
c	83	125	100.0	6924	14	US-10-340-112-10	Sequence 11, Appli	c 156	110	88.0	10398	9	US-09-742-377-1
c	84	125	100.0	6924	14	US-10-340-112-11	Sequence 12, Appli	c 157	110	88.0	10398	9	US-09-923-726-1
c	85	125	100.0	6924	14	US-10-340-112-11	Sequence 13, Appli	c 158	110	88.0	10398	9	US-09-923-726-1
c	86	125	100.0	6981	14	US-10-267-117-7	Sequence 7, Appli	c 159	110	88.0	11933	9	US-09-740-211-13
c	87	125	100.0	6981	14	US-10-267-117-7	Sequence 8, Appli	c 160	110	88.0	11933	9	US-09-740-211-13
c	88	125	100.0	6981	14	US-10-340-112-7	Sequence 9, Appli	c 161	110	88.0	11933	13	US-10-007-968-13
c	89	125	100.0	6981	14	US-10-340-112-7	Sequence 10, Appli	c 162	110	88.0	11933	13	US-10-007-968-13
c	90	125	100.0	7054	14	US-10-267-117-3	Sequence 11, Appli	c 163	110	88.0	11933	14	US-10-293-400-13
c	91	125	100.0	7054	14	US-10-340-112-3	Sequence 12, Appli	c 164	110	88.0	11933	14	US-10-293-400-13
c	92	125	100.0	7054	14	US-10-240-112-3	Sequence 13, Appli	c 165	108.4	86.7	505	13	US-10-054-665-3
c	93	125	100.0	7054	14	US-10-340-112-3	Sequence 14, Appli	c 166	108.4	86.7	505	13	US-10-054-665-3
c	94	125	100.0	7405	14	US-10-267-117-2	Sequence 15, Appli	c 167	108	86.4	7015	9	US-09-770-315-1
c	95	125	100.0	7405	14	US-10-267-117-2	Sequence 16, Appli	c 168	108	86.4	5610	13	US-10-090-983-2
c	96	125	100.0	7405	14	US-10-340-112-2	Sequence 17, Appli	c 169	108	86.4	5974	13	US-10-090-983-2
c	97	125	100.0	7405	14	US-10-267-117-5	Sequence 18, Appli	c 170	108	86.4	5974	13	US-10-090-983-2
c	98	125	100.0	7492	14	US-10-267-117-5	Sequence 19, Appli	c 171	108	86.4	7015	9	US-09-770-315-1
c	99	125	100.0	7492	14	US-10-340-112-5	Sequence 20, Appli	c 172	108	86.4	7096	13	US-10-090-983-3
c	100	125	100.0	7492	14	US-10-240-112-5	Sequence 21, Appli	c 173	108	86.4	7096	13	US-10-090-983-3
c	101	125	100.0	7492	14	US-10-240-112-5	Sequence 22, Appli	c 174	108	86.4	7096	13	US-10-090-983-3
c	102	125	100.0	7914	13	US-10-195-718-3	Sequence 23, Appli	c 175	108	86.4	7557	9	US-09-770-315-3
c	103	125	100.0	7914	13	US-10-681-970-3	Sequence 24, Appli	c 176	108	86.4	7557	9	US-09-770-315-3
c	104	125	100.0	7944	13	US-10-095-718-1	Sequence 25, Appli	c 177	104.2	83.4	272	13	US-10-054-665-6
c	105	125	100.0	7944	13	US-10-081-970-1	Sequence 26, Appli	c 178	99.4	79.5	272	13	US-10-054-665-6
c	106	125	100.0	8698	9	US-09-770-315-2	Sequence 27, Appli	c 179	97.8	78.2	130	9	US-10-928-158B-3
c	107	124	99.2	4848	10	US-09-845-116-35	Sequence 28, Appli	c 180	97.8	78.2	144	21	US-10-501-556-3
c	108	124	99.2	7914	13	US-10-195-718-3	Sequence 29, Appli	c 181	97.8	78.2	145	9	US-09-782-378A-6
c	109	124	99.2	7914	13	US-10-681-970-3	Sequence 30, Appli	c 182	97.8	78.2	145	15	US-10-240-198-2
c	110	124	99.2	7944	13	US-10-095-718-1	Sequence 31, Appli	c 183	97.8	78.2	145	20	US-10-837-0-11
c	111	124	99.2	7944	13	US-10-081-970-1	Sequence 32, Appli	c 184	97.8	78.2	145	20	US-10-837-0-11
c	112	123.4	98.7	191	18	US-10-362-906-4	Sequence 33, Appli	c 185	97.8	78.2	145	21	US-10-501-556-12
c	113	123.4	98.7	272	13	US-10-054-665-4	Sequence 34, Appli	c 186	97.8	78.2	146	13	US-10-135-584-8
c	114	118.6	94.9	272	13	US-10-195-718-3	Sequence 35, Appli	c 187	97.8	78.2	165	9	US-09-782-378A-8
c	115	117	93.6	174	18	US-10-362-906-6	Sequence 36, Appli	c 188	97.8	78.2	165	13	US-10-054-665-7
c	116	113	90.4	144	19	US-10-669-641-1	Sequence 37, Appli	c 189	97.8	78.2	165	16	US-10-159-968-3
c	117	112.2	89.8	6514	13	US-10-090-983-1	Sequence 38, Appli	c 190	97.8	78.2	170	19	US-10-569-641-3
c	118	110.4	89.1	9600	16	US-10-278-751-1	Sequence 39, Appli	c 191	97.8	78.2	170	17	US-10-276-356-2
c	119	110.4	88.3	6514	13	US-10-090-983-1	Sequence 40, Appli	c 192	97.8	78.2	207	15	US-10-023-208-58
c	120	110	88.0	3589	21	US-10-054-665-6	Sequence 41, Appli	c 193	97.8	78.2	4675	9	US-09-782-378A-1
c	121	110	88.0	3589	21	US-10-362-906-6	Sequence 42, Appli	c 194	97.8	78.2	4675	9	US-09-782-378A-2
c	122	110	88.0	3589	21	US-10-054-340-8	Sequence 43, Appli	c 195	97.8	78.2	4675	15	US-10-240-198-1
c	123	110	88.0	3589	21	US-10-054-340-9	Sequence 44, Appli	c 196	97.8	78.2	4675	15	US-10-291-583-7
c	124	110	88.0	3617	21	US-10-054-340-10	Sequence 45, Appli	c 197	97.8	78.2	4675	19	US-10-427-129-2
c	125	110	88.0	3618	21	US-10-054-340-10	Sequence 46, Appli	c 198	97.8	78.2	4679	9	US-09-804-888-1
c	126	110	88.0	3618	21	US-10-604-340-8	Sequence 47, Appli	c 199	97.8	78.2	4679	9	US-09-945-681-10
c	127	110	88.0	3787	21	US-10-054-340-8	Sequence 48, Appli	c 200	97.8	78.2	4679	13	US-10-038-72A-12
c	128	110	88.0	3787	21	US-10-604-340-11	Sequence 49, Appli	c 201	97.8	78.2	4679	13	US-10-136-819-6
c	129	110	88.0	3787	21	US-10-054-340-11	Sequence 50, Appli	c 202	97.8	78.2	4680	13	US-10-077-294-1
c	130	110	88.0	3920	21	US-10-054-340-6	Sequence 51, Appli	c 203	97.8	78.2	4680	13	US-10-291-583-7
c	131	110	88.0	3920	21	US-10-054-340-10	Sequence 52, Appli	c 204	97.8	78.2	4680	14	US-10-263-127-2
c	132	110	88.0	4999	13	US-10-054-340-6	Sequence 53, Appli	c 205	97.8	78.2	4680	15	US-10-375-584-8
c	133	110	88.0	4999	14	US-10-293-400-14	Sequence 54, Appli	c 206	97.8	78.2	4680	15	US-10-696-261-18
c	134	110	88.0	4999	9	US-09-740-211-14	Sequence 55, Appli	c 207	97.8	78.2	4681	18	US-10-696-282-18
c	135	110	88.0	4999	9	US-09-740-211-14	Sequence 56, Appli	c 208	97.8	78.2	4681	18	US-10-696-900-18
c	136	110	88.0	6437	21	US-10-054-340-6	Sequence 57, Appli	c 209	97.8	78.2	6081	15	US-10-294-957-2
c	137	110	88.0	6437	21	US-10-054-340-10	Sequence 58, Appli	c 210	97.8	78.2	8698	9	US-09-770-315-2
c	138	110	88.0	6437	21	US-10-604-340-3	Sequence 59, Appli	c 211	97.8	78.2	4683	18	US-10-696-900-19
c	139	110	88.0	6437	21	US-10-054-340-3	Sequence 60, Appli	c 212	96.2	78.2	4683	19	US-10-427-129-3
c	140	110	88.0	6437	21	US-10-452-878-3	Sequence 61, Appli	c 213	96.2	78.2	4683	21	US-10-291-583-8
c	141	110	88.0	5418	20	US-10-452-878-3	Sequence 62, Appli	c 214	97.8	78.2	4726	21	US-10-959-017-4
c	142	110	88.0	6437	21	US-10-054-340-10	Sequence 63, Appli	c 215	97.8	78.2	4726	22	US-10-427-129-3
c	143	110	88.0	6437	21	US-10-054-340-10	Sequence 64, Appli	c 216	96.2	77.0	4726	20	US-10-837-029-5
c	144	110	88.0	6437	21	US-10-604-340-3	Sequence 65, Appli	c 217	96.2	77.0	191	18	US-10-362-906-4
c	145	110	88.0	6437	21	US-10-054-340-3	Sequence 66, Appli	c 218	96.2	77.0	4726	19	US-10-427-129-3
c	146	110	88.0	6437	21	US-10-054-340-3	Sequence 67, Appli	c 219	96.2	77.0	4726	15	US-10-291-583-8
c	147	110	88.0	6437	21	US-10-176-066-1	Sequence 68, Appli	c 220	96.2	77.0	4726	21	US-10-959-017-4
c	148	110	88.0	6437	21	US-10-176-066-2	Sequence 69, Appli	c 221	94.4	76.5	4726	22	US-10-054-665-6
c	149	110	88.0	6437	21	US-10-176-066-2	Sequence 70, Appli	c 222	94.4	76.5	4726	20	US-10-254-747-6
c	150	110	88.0	8509	14	US-10-255-527-1	Sequence 71, Appli	c 223	91.4	73.1	125	10	US-09-254-747-6
c	151	110	88.0	8509	14	US-10-355-527-1	Sequence 72, Appli	c 224	91.4	73.1	145	20	US-10-837-029-4
c	152	110	88.0	9600	16	US-10-278-721-1	Sequence 73, Appli	c 225	91.4	73.1	145	20	US-10-837-029-4
c	153	110	88.0	10398	9	US-09-757-673-1	Sequence 74, Appli	c 226	91.4	73.1	4718	15	US-10-291-583-6

227	91.4	4718	18	US-10-696-261-1	Sequence 1, Appli	c 300	42	33.6	54	15	US-10-023-208-60	Sequence 60, Appli	
228	91.4	4718	18	US-10-696-282-1	Sequence 1, Appli								
229	91.4	4718	18	US-10-696-900-1	Sequence 1, Appli								
230	91.4	4718	19	US-10-422-129-1	Sequence 1, Appli								
231	91.4	4718	21	US-10-959-017-3	Sequence 3, Appli								
232	91.4	4721	15	US-10-291-583-1	Sequence 4, Appli								
233	91.4	4767	21	US-10-422-129-4	Sequence 4, Appli								
234	91.4	4767	21	US-10-959-017-5	Sequence 5, Appli								
235	91.4	4768	10	US-09-254-747-1	Sequence 1, Appli								
C 236	89.8	71.8	18	US-10-696-906-6	Sequence 6, Appli								
C 237	87.4	69.9	14	US-10-667-641-1	Sequence 1, Appli								
C 238	85.0	345	13	US-10-054-665-9	Sequence 4, Appli								
C 239	83.4	66.7	145	US-10-837-029-4	Sequence 6, Appli								
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C 241	83.4	66.7	4718	18	US-10-696-261-1	Sequence 1, Appli							
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C 244	83.4	66.7	4718	19	US-10-427-129-1	Sequence 1, Appli							
C 245	83.4	66.7	4718	21	US-10-959-017-3	Sequence 3, Appli							
C 246	83.4	66.7	4721	15	US-10-291-583-1	Sequence 1, Appli							
C 247	83.4	66.7	7744	15	US-10-246-870-14	Sequence 14, Appli							
C 248	81.8	65.4	145	US-10-834-14	Sequence 14, Appli								
C 249	81.8	65.4	4718	20	US-10-837-029-5	Sequence 5, Appli							
C 250	81.8	65.4	4726	15	US-10-291-583-8	Sequence 8, Appli							
C 251	81.8	65.4	4726	21	US-10-959-017-4	Sequence 4, Appli							
C 252	77	61.6	125	10	US-09-234-747-6	Sequence 6, Appli							
C 253	77	61.6	145	20	US-10-837-029-6	Sequence 6, Appli							
C 254	77	61.6	4767	19	US-10-427-129-4	Sequence 5, Appli							
C 255	77	61.6	4767	21	US-10-959-017-5	Sequence 1, Appli							
C 256	77	61.6	4768	10	US-09-234-747-1	Sequence 1, Appli							
C 257	70.6	56.5	345	13	US-10-054-665-9	Sequence 5, Appli							
C 258	69.4	55.5	169	18	US-10-322-906-5	Sequence 6, Appli							
C 259	69	55.2	7744	15	US-10-246-870-14	Sequence 14, Appli							
C 260	69	55.2	7744	19	US-10-458-834-14	Sequence 15, Appli							
C 261	68	54.4	70	16	US-10-599-968-15	Sequence 15, Appli							
C 262	68	54.4	88	16	US-10-159-968-14	Sequence 14, Appli							
C 263	67.2	53.8	300	13	US-10-054-665-5	Sequence 5, Appli							
C 264	64.6	51.7	169	18	US-10-322-906-5	Sequence 390, App							
C 265	64.6	51.7	382	9	US-09-925-298-390	Sequence 390, App							
C 266	64.6	51.7	382	14	US-10-128-806-390	Sequence 20, App							
C 267	64.4	51.5	129	10	US-09-234-747-20	Sequence 47, App							
C 268	63	50.4	63	9	US-09-792-630-47	Sequence 47, App							
C 269	63	50.4	63	13	US-09-933-351-47	Sequence 47, App							
C 270	63	50.4	63	13	US-10-000-375-47	Sequence 47, App							
C 271	63	50.4	63	14	US-10-022-671-53	Sequence 53, App							
C 272	63	50.4	63	14	US-10-007-100-47	Sequence 47, App							
C 273	63	50.4	63	15	US-10-033-208-47	Sequence 59, App							
C 274	63	50.4	63	18	US-10-322-906-2	Sequence 2, App							
C 275	62	49.6	82	14	US-10-032-671-6	Sequence 6, App							
C 276	62	49.6	82	15	US-10-033-208-57	Sequence 57, App							
C 277	62	49.6	115	15	US-10-033-208-59	Sequence 59, App							
C 278	56.6	45.3	129	10	US-09-792-630-47	Sequence 47, App							
C 279	50.8	40.6	115	15	US-10-033-208-59	Sequence 59, App							
C 280	50.6	40.5	70	16	US-10-159-968-15	Sequence 15, App							
C 281	50.6	40.5	88	16	US-10-159-968-14	Sequence 14, App							
C 282	49.2	39.4	63	10	US-09-792-630-47	Sequence 47, App							
C 283	49.2	39.4	63	10	US-09-933-351-47	Sequence 47, App							
C 284	49.2	39.4	63	10	US-10-032-671-53	Sequence 53, App							
C 285	49.2	39.4	63	14	US-10-032-671-53	Sequence 47, App							
C 286	49.2	39.4	63	14	US-10-037-100-47	Sequence 47, App							
C 287	49.2	39.4	63	14	US-10-033-208-47	Sequence 6, App							
C 288	49.2	39.4	82	14	US-10-032-671-6	Sequence 57, App							
C 289	49.2	39.4	82	15	US-10-033-208-57	Sequence 11, App							
C 290	48.6	38.9	316	13	US-10-034-665-11	Sequence 13, App							
C 291	47.6	38.1	310	13	US-10-034-665-13	Sequence 390, App							
C 292	45.6	36.5	382	9	US-09-925-298-390	Sequence 9, App							
C 293	45.6	36.5	382	14	US-10-122-806-390	Sequence 3, App							
C 294	45	36.0	125	10	US-10-837-029-9	Sequence 5, App							
C 295	44.4	35.5	82	16	US-10-159-968-3	Sequence 3, App							
C 296	44.4	35.5	82	16	US-10-159-968-3	Sequence 3, App							
C 297	43.4	34.7	310	13	US-10-034-665-13	Sequence 13, App							
C 298	42.8	34.2	276	13	US-10-034-665-10	Sequence 10, App							
C 299	42.4	33.6	54	15	US-10-023-208-60	Sequence 60, App							

RESULT 1	US-09-928-158B-1	Sequence 1, Application US/0928158B	;	GENERAL INFORMATION:	Patent No. US2002017222A1
			;	APPLICANT: SIXUN, LI	
			;	FILE REFERENCE: 102182-18	
			;	CURRENT APPLICATION NUMBER: US/09/928-158B	
			;	CURRENT FILING DATE: 2002-05-06	
			;	PRIOR APPLICATION NUMBER: 60/224,132	
			;	PRIOR FILING DATE: 2000-08-10	
			;	NUMBER OF SEQ ID NOS: 9	
			;	SOFTWARE: PatentIn version 3.0	
			;	SEQ ID NO: 1	
			;	SEQ ID NO: 1	
			;	LENGTH: 130	
			;	TYPE: DNA	
			;	ORGANISM: adeno-associated virus 2	
			;	US-09-928-158B-1	

RESULT 2	US-10-501-756-13	Sequence 13, Application US/10501756	;	GENERAL INFORMATION:	Publication No. US20050112765A1
			;	APPLICANT: Duke University	
			;	FILE REFERENCE: 180/137	
			;	CURRENT APPLICATION NUMBER: US/10/501-756	
			;	CURRENT FILING DATE: 2004-07-16	
			;	PRIOR APPLICATION NUMBER: US 60/349,532	
			;	PRIOR FILING DATE: 2003-01-18	
			;	NUMBER OF SEQ ID NOS: 22	
			;	SOFTWARE: PatentIn version 3.2	
			;	SEQ ID NO: 13	
			;	LENGTH: 144	
			;	TYPE: DNA	
			;	ORGANISM: adeno-associated virus 2	
			;	US-10-501-756-13	

Query	Match	Score 100.0%; Best Local Similarity 100.0%; Matches 125; Conservative 0; Indels 0; Gaps 0;	;	GENERAL INFORMATION:	Patent Invention: RECOMBINANT ADENO-VIRAL VECTORS BY A
			;	APPLICANT: Chuan-Yuan, Li	
			;	FILE REFERENCE: 180/137	
			;	CURRENT APPLICATION NUMBER: US/10/501-756	
			;	CURRENT FILING DATE: 2004-07-16	
			;	PRIOR APPLICATION NUMBER: US 60/349,532	
			;	PRIOR FILING DATE: 2003-01-18	
			;	NUMBER OF SEQ ID NOS: 22	
			;	SOFTWARE: PatentIn version 3.2	
			;	SEQ ID NO: 13	
			;	LENGTH: 144	
			;	TYPE: DNA	
			;	ORGANISM: adeno-associated virus 2	
			;	US-10-501-756-13	

Query	Match	Score 100.0%; Best Local Similarity 100.0%; Matches 125; Conservative 0; Indels 0; Gaps 0;	;	GENERAL INFORMATION:	TITLE OF INVENTION: COMPLETE ADENOVIRUS-MEDIATED APPROACH
			;	APPLICANT: Xiuwu, Zhang	
			;	FILE REFERENCE: 180/137	
			;	CURRENT APPLICATION NUMBER: US/10/501-756	
			;	CURRENT F	

RESULT 3

Qy 61 CGAGGCCGGCTTGCAGGGCTCACTGAGGAGGAGGAGT 120  
 ; Sequence 6, Application US/09782378A  
 ; Patent No. US20020102731A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hearing, Patrick  
 ; APPLICANT: Bahou, Wade  
 ; APPLICANT: Sandalon, Ziv  
 ; APPLICANT: Gnatenko, Dmitri  
 ; TITLE OF INVENTION: Adenoviral vectors  
 ; FILE REFERENCE: STONYB-04970  
 ; CURRENT APPLICATION NUMBER: US/09/782,378A  
 ; CURRENT FILING DATE: 2001-02-12  
 ; PRIOR APPLICATION NUMBER: 60/237,747  
 ; PRIOR FILING DATE: 2000-10-02  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 6  
 ; LENGTH: 145  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens

US-09-782-378A-6

Query Match 100.0%; Score 125; DB 9; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGGGCTCGCTCGTCACTGAGGGGGACCAAGGGTGC 60  
 Db 1 TTGGCCACTCCCTCTCGGGCTCGTCACTGAGGGGGACCAAGGGTGC 60

Qy 61 CGAGGCCGGCTTGCAGGGAGGAGGAGT 120  
 Db 61 CGAGGCCGGCTTGCAGGGAGGAGGAGT 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 4

US-10-240-198-2

Sequence 2, Application US/10240198  
 Publication No. US20030100115A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: BEARD DR, PETER  
 ; APPLICANT: RAJ DR, KENNETH  
 ; TITLE OF INVENTION: CYTOTOXIC AGENTS  
 ; FILE REFERENCE: 142184NO  
 ; CURRENT APPLICATION NUMBER: US/10/240,198  
 ; CURRENT FILING DATE: 2002-09-30  
 ; PRIOR APPLICATION NUMBER: 0009887,1  
 ; PRIOR FILING DATE: 2000-04-20  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 2  
 ; LENGTH: 145  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2  
 ; FEATURE: misc\_feature  
 ; NAME/KEY: misc\_structure  
 ; LOCATION: (1)-(145)

US-10-240-198-2

Query Match 100.0%; Score 125; DB 20; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGGGCTCGCTCGTCACTGAGGGGGACCAAGGGTGC 60  
 Db 1 TTGGCCACTCCCTCTCGGGCTCGCTCGTCACTGAGGGGGACCAAGGGTGC 60

Qy 61 CGAGGCCGGCTTGCAGGGAGGAGGAGT 120  
 Db 61 CGAGGCCGGCTTGCAGGGAGGAGT 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 5

US-10-837-029-1

Sequence 1, Application US/10837029  
 ; Publication No. US20040248301A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Engelhardt, John F.  
 ; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH PALINDROMIC SEQUENCES  
 ; FILE REFERENCE: 875.105US1  
 ; CURRENT APPLICATION NUMBER: US/10/837,029  
 ; CURRENT FILING DATE: 2004-04-30  
 ; PRIOR APPLICATION NUMBER: US 10/194,421  
 ; PRIOR FILING DATE: 2002-07-12  
 ; PRIOR APPLICATION NUMBER: US 60/305,204  
 ; PRIOR FILING DATE: 2001-07-13  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 1  
 ; LENGTH: 145  
 ; TYPE: DNA  
 ; ORGANISM: Adeno-associated virus

US-10-837-029-1

Query Match 100.0%; Score 125; DB 20; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGGGCTCGCTCGTCACTGAGGGGGACCAAGGGTGC 60  
 Db 1 TTGGCCACTCCCTCTCGGGCTCGCTCGTCACTGAGGGGGACCAAGGGTGC 60

Qy 61 CGAGGCCGGCTTGCAGGGAGGAGT 120  
 Db 61 CGAGGCCGGCTTGCAGGGAGGAGT 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 6

US-10-837-029-11

Sequence 11, Application US/10837029  
 ; Publication No. US20040248301A1  
 ; GENERAL INFORMATION:

APPLICANT: Engelhardt, John F.  
 TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH  
 INTRAVECTO HETEROLOGOUS TERMINAL PALLINDROMIC SEQUENCES  
 FILE REFERENCE: 875\_105US1  
 CURRENT APPLICATION NUMBER: US/10/837,029  
 CURRENT FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: US 10/194,421  
 PRIOR FILING DATE: 2002-07-12  
 PRIOR APPLICATION NUMBER: US 60/305,204  
 PRIOR FILING DATE: 2001-07-13  
 NUMBER OF SEQ ID NOS: 11  
 SOFTWARE: FastSEQ For Windows Version 4.0  
 SEQ ID NO: 11  
 LENGTH: 145  
 TYPE: DNA  
 ORGANISM: Adeno-associated virus  
 US-10-620-039-11

Query Match 100.0%; Score 125; DB 20; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO: 8

Qy 1 TTGGCCACTCCCTCTCGCGCTGCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTGCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Qy 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 7  
 US-10-501-756-12  
 Sequence 12, Application US/10501756  
 Publication No. US20050112765A1

GENERAL INFORMATION:  
 APPLICANT: Duke University  
 APPLICANT: Chuan-Yuan, Li  
 APPLICANT: Xiuwu, Zhang  
 TITLE OF INVENTION: GENERATION OF RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS BY A  
 TITLE OF INVENTION: COMPLETE ADENOVIRUS-MEDIATED APPROACH  
 CURRENT APPLICATION NUMBER: US/10/501,756  
 CURRENT FILING DATE: 2004-07-16  
 PRIOR APPLICATION NUMBER: US 60/349,532  
 PRIOR FILING DATE: 2002-01-18  
 NUMBER OF SEQ ID NOS: 22  
 SEQ ID NO: 12  
 LENGTH: 145  
 TYPE: DNA  
 ORGANISM: adeno-associated virus 2  
 US-10-501-756-12

Query Match 100.0%; Score 125; DB 21; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 1.e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTGCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTGCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Qy 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 8  
 US-10-135-984-8  
 Sequence 8, Application US/10135984  
 Publication No. US20020182595A1  
 GENERAL INFORMATION:  
 APPLICANT: Matthew D. Weitzman  
 APPLICANT: Anton J. Cathomen  
 TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR  
 REGULATORS OF ADENO-ASSOCIATED VIRUS (AAV)  
 FILE REFERENCE: SALKINS-041A  
 CURRENT APPLICATION NUMBER: US/10/135,984  
 CURRENT FILING DATE: 2002-08-05  
 PRIOR APPLICATION NUMBER: 60/286951  
 PRIOR FILING DATE: 2001-04-27  
 NUMBER OF SEQ ID NOS: 8  
 SOFTWARE: FastSEQ For Windows Version 4.0  
 SEQ ID NO: 8

Query Match 100.0%; Score 125; DB 13; Length 146;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 TYPE: DNA  
 US-10-135-984-8

Qy 1 TTGGCCACTCCCTCTCGCGCTGCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTGCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Qy 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Qy 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60

RESULT 9  
 US-09-782-378A-8  
 Sequence 8, Application US/09782378A  
 Patent No. US20020102731A1  
 GENERAL INFORMATION:  
 APPLICANT: Hearing, Patrick  
 APPLICANT: Bahou, Wadie  
 APPLICANT: Sandalou, Ziv  
 APPLICANT: Gnatenko, Dmitri  
 TITLE OF INVENTION: Adenoviral Vectors  
 FILE REFERENCE: STONYB-04970  
 CURRENT APPLICATION NUMBER: US/09/782,378A  
 CURRENT FILING DATE: 2001-02-12  
 PRIOR APPLICATION NUMBER: 60/237,747  
 PRIOR FILING DATE: 2000-10-02  
 NUMBER OF SEQ ID NOS: 27  
 SEQ ID NO: 8  
 LENGTH: 165  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-782-378A-8

Query Match 100.0%; Score 125; DB 9; Length 165;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTGCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 21 TTGGCCACTCCCTCTCGCGCTGCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Qy 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60  
 Db 61 CGAGGCCGGCTTGCAGGCCCTCACTGAGGCCGGGCCAACAGGTGCC 60

Db 81 CGACGCCGGCTTGGGCTTGGGGCTTCAAGGAGGAGGTG 140  
 Qy 121 GCCAA 125  
 Db 141 GCCAA 145

RESULT 10  
 US-10-054-665-7  
 Sequence 7, Application US/10054665  
 Publication No. US2002019723A1  
 GENERAL INFORMATION  
 APPLICANT: Engelhardt, John F.  
 APPLICANT: Duan, Dongsheng  
 TITLE OF INVENTION: Adeno-associated virus vectors  
 FILE REFERENCE: 875 . 007US2  
 CURRENT APPLICATION NUMBER: US/10/054,665  
 CURRENT FILING DATE: 2002-06-13  
 PRIOR APPLICATION NUMBER: US 09/276,625  
 PRIOR FILING DATE: 1999-03-25  
 PRIOR APPLICATION NUMBER: US 60/086,166  
 PRIOR FILING DATE: 1998-05-20  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 7  
 LENGTH: 165  
 TYPE: DNA  
 FEATURE: Unknown  
 OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745  
 /  
 US-10-054-665-7

Query Match 100.0%; Score 125; DB 13; Length 165;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGGGGGCCACAAAGGTGCC 60  
 Db 21 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGGGGGCCACAAAGGTGCC 80

Qy 61 CGACGCCGGCTTGGGGCTTCAAGGAGGAGGTG 120  
 Db 81 CGACGCCGGCTTGGGGCTTCAAGGAGGAGGTG 140

RESULT 11  
 US-10-159-968-13/c  
 Sequence 13, Application US/10159968  
 Publication No. US20030152914A1  
 GENERAL INFORMATION  
 APPLICANT: Kaplitt, Michael G.  
 APPLICANT: Musarov, Serge  
 TITLE OF INVENTION: Method for Generating Replication  
 TITLE OF INVENTION: Defective Viral Vectors That are Helper Free  
 FILE REFERENCE: 600-1-286  
 CURRENT APPLICATION NUMBER: US/10/159,968  
 PRIOR APPLICATION NUMBER: US 60/294,797  
 PRIOR FILING DATE: 2002-05-31  
 PRIOR APPLICATION NUMBER: US 60/313,007  
 PRIOR FILING DATE: 2001-08-07  
 NUMBER OF SEQ ID NOS: 20  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 13  
 LENGTH: 165  
 TYPE: DNA  
 ORGANISM: Adeno-associated virus  
 US-10-159-968-13

Query Match 100.0%; Score 125; DB 16; Length 165;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGGGGGCCACAAAGGTGCC 60  
 Db 145 TTGGCCACTCCCTCTCGCGCTCGTCACTGGGGGCCACAAAGGTGCC 86

RESULT 12  
 US-10-669-641-3  
 Sequence 3, Application US/10669641  
 Publication No. US2004013762A1  
 GENERAL INFORMATION  
 APPLICANT: Wagner, Thomas E.  
 APPLICANT: Yu, Xianxhang  
 APPLICANT: Yu, Xianxhang  
 TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION  
 FILE REFERENCE: 035879-0165  
 CURRENT APPLICATION NUMBER: US/10/669,641  
 CURRENT FILING DATE: 2003-09-25  
 PRIOR APPLICATION NUMBER: 60/413,450  
 PRIOR FILING DATE: 2002-09-26  
 NUMBER OF SEQ ID NOS: 3  
 SOFTWARE: PatentIn Ver. 3.2  
 SEQ ID NO 3  
 LENGTH: 170  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV  
 /  
 OTHER INFORMATION: ITR nucleotide sequence  
 US-10-669-641-3

Query Match 100.0%; Score 125; DB 19; Length 170;  
 Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGGGGGCCACAAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGGGGGCCACAAAGGTGCC 60

Qy 61 CGACGCCGGCTTGGGGCTTCAAGGAGGAGGTG 120  
 Db 61 CGACGCCGGCTTGGGGCTTCAAGGAGGAGGTG 120

RESULT 13  
 US-10-276-356-1/c  
 Sequence 1, Application US/10276356  
 Publication No. US20040029106A1  
 GENERAL INFORMATION  
 APPLICANT: University of No. US20040029106A1  
 APPLICANT: Samulski, R. Jude  
 APPLICANT: McCarthy, Douglas M.  
 TITLE OF INVENTION: DUPLEXED PARVOVIRUS VECTORS  
 FILE REFERENCE: 5470-382  
 CURRENT APPLICATION NUMBER: US/10/276,356  
 CURRENT FILING DATE: 2001-05-31  
 PRIOR APPLICATION NUMBER: PCT/US01/17587  
 PRIOR FILING DATE: 2001-05-31

```

; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 175
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201
US-10-276-356-1

Query Match 100.0%; Score 125; DB 17; Length 175;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; ORGANISM: Homo sapiens
US-09-845-416-26

Qy 1 TTGGCCACTCCCTCTCGCGCTACTGGCCGGCAACAGTCCC 60
Db 150 TTGGCCACTCCCTCTCGCGCTACTGGCCGGCAACAGTCCC 91
Qy 61 CGAGGCCGGGTTGCGGGGCGGCGGCTAGTGAGGAGGAGTG 120
Db 90 CGAGGCCGGGTTGCGGGGCGGCGGCTAGTGAGGAGGAGTG 31
Qy 121 GCCAA 125
Db 30 GCCAA 26

RESULT 14
US-10-023-208-58
; Sequence 58, Application US/10023208
; Publication No. US20030124537A1
; GENERAL INFORMATION:
; APPLICANT: Li, Min
; ATTORNEY OR AGENT NAME: YUAN-CHING LIU
; TITLE OF INVENTION: PROCARYOTIC LIBRARIES AND USES
; FILE REFERENCE: A-20174-1/RPT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/10/023,208
; PRIORITY APPLICATION NUMBER: US 2001-12-17
; PRIORITY FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Artificial sequence
; OTHER INFORMATION: synthetic enzyme attachment site sequence
US-10-023-208-58

Query Match 100.0%; Score 125; DB 15; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-77;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; ORGANISM: Homo sapiens
US-09-845-416-26

Qy 1 TTGGCCACTCCCTCTCGCGCTACTGGCCGGCAACAGTCCC 60
Db 42 TTGGCCACTCCCTCTCGCGCTACTGGCCGGCAACAGTCCC 101
Qy 61 CGAGGCCGGGTTGCGGGGCGGCTAGTGAGGAGGAGTG 120
Db 102 CGAGGCCGGGTTGCGGGGCGGCTAGTGAGGAGGAGTG 161
Qy 121 GCCAA 125
Db 162 GCCAA 166

RESULT 15
US-09-845-416-26
; Sequence 26, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIORITY FILING DATE: 2001-04-30
; PRIORITY APPLICATION NUMBER: 60/200,777
; PRIORITY FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-26

Qy 1 TTGGCCACTCCCTCTCGCGCTACTGGCCGGCAACAGTCCC 60
Db 955 TTGGCCACTCCCTCTCGCGCTACTGGCCGGCAACAGTCCC 896
Qy 61 CGAGGCCGGGTTGCGGGGCGGCTAGTGAGGAGGAGTG 120
Db 895 CGAGGCCGGGTTGCGGGGCGGCTAGTGAGGAGGAGTG 836
Qy 121 GCCAA 125
Db 835 GCCAA 831

RESULT 17
US-09-845-416-33
; Sequence 33, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO

```

Publication No. US20030171312A1  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 TITLE OF INVENTION: THEREOF  
 CURRENT APPLICATION NUMBER: US/09/845,416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 60/200,777  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 36  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 33  
 LENGTH: 987  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-33

Query Match 100.0%; Score 125; DB 10; Length 987;  
 Best Local Similarity 100.0%; Pred. No. 8.1e-28; Indels 0; Gaps 0;  
 Matches 125; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCCGGGCAACAAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGTCACTGAGCCGGGCAACAAAGGTGCC 60

Qy 61 CGACGCCGGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCAGTGAGCCAGAGGGAGTG 120  
 Db 61 CGACGCCGGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCAGTGAGCCAGAGGGAGTG 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 18  
 US-09-845-416-33/c  
 Sequence 33, Application US/09845416  
 Publication No. US20030171312A1  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 TITLE OF INVENTION: THEREOF  
 CURRENT APPLICATION NUMBER: US/09/845,416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 60/200,777  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 36  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 33  
 LENGTH: 987  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-33

Query Match 100.0%; Score 125; DB 10; Length 987;  
 Best Local Similarity 100.0%; Pred. No. 8.1e-28; Indels 0; Gaps 0;  
 Matches 125; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCCGGGCAACAAAGGTGCC 60  
 Db 967 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCCGGGCAACAAAGGTGCC 928

Qy 61 CGACGCCGGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCAGTGAGCCAGAGGGAGTG 120  
 Db 927 CGACGCCGGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCAGTGAGCCAGAGGGAGTG 868

Qy 121 GCCAA 125  
 Db 867 GCCAA 863

RESULT 19  
 US-09-845-416-32  
 Sequence 32, Application US/09845416  
 Publication No. US20030171312A1  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 TITLE OF INVENTION: THEREOF  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845,416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 60/200,777  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 36  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 32  
 LENGTH: 4414  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-32

Query Match 100.0%; Score 125; DB 10; Length 4414;  
 Best Local Similarity 100.0%; Pred. No. 5.9e-28; Indels 0; Gaps 0;  
 Matches 125; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCCGGGCAACAAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCCGGGCAACAAAGGTGCC 60

Qy 61 CGACGCCGGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCAGTGAGCCAGAGGGAGTG 120  
 Db 61 CGACGCCGGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCAGTGAGCCAGAGGGAGTG 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 20  
 US-09-845-416-32/c  
 Sequence 32, Application US/09845416  
 Publication No. US20030171312A1  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 TITLE OF INVENTION: THEREOF  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845,416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 60/200,777  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 36  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 32  
 LENGTH: 4414  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-32

Query Match 100.0%; Score 125; DB 10; Length 4414;  
 Best Local Similarity 100.0%; Pred. No. 5.9e-28; Indels 0; Gaps 0;  
 Matches 125; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCCGGGCAACAAAGGTGCC 60  
 Db 4414 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCCGGGCAACAAAGGTGCC 4355

Qy 61 CGACGCCGGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCAGTGAGCCAGAGGGAGTG 120  
 Db 4354 CGACGCCGGGCTTTCGCCCCGGCTTTCGCCCCGGCTTTCAGTGAGCCAGAGGGAGTG 4295

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

```

Db 4294 GCCAA 4290
RESULT 21
US-09-845-416-31
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIORITY NUMBER: 60/200,777
; PRIORITY FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO: 31
; SOFTWARE: PatentIn Ver. 2.1
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match 100.0%; Score 125; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

Qy 1 TTTGCCACTCCCTCTCGCGCTCGCTGCGTCACTAGGGCGGGCAACAAAGGTGCC 60
Db 1 TTGGCCACTCCCTCTCGCGCTCGCTGCGTCACTAGGGCGGGCAACAAAGGTGCC 60

Qy 61 CCAAGCGCGGGCTTTGCCGGGGCTCACTGAGAGGCGAGAGGGAGTG 120
Db 61 CGAGCGGGGCTTTGCCGGGGCTCACTGAGAGGCGAGAGGGAGTG 120

Qy 61 CGAGCGGGGCTTTGCCGGGGCTCACTGAGAGGCGAGAGGGAGTG 120
Db 61 CGAGCGGGGCTTTGCCGGGGCTCACTGAGAGGCGAGAGGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 22
US-09-845-416-31/C
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIORITY NUMBER: 60/200,777
; PRIORITY FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO: 31
; SOFTWARE: PatentIn Ver. 2.1
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31/C

Query Match 100.0%; Score 125; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTGCGTCACTAGGGCGGGCAACAAAGGTGCC 60
Db 4476 TTGGCCACTCCCTCTCGCGCTCGCTGCGTCACTAGGGCGGGCAACAAAGGTGCC 4476

Qy 61 CCAAGCGGGCTTTGCCGGGGCTCACTGAGAGGCGAGAGGGAGTG 120
Db 4416 CCAAGCGGGCTTTGCCGGGGCTCACTGAGAGGCGAGAGGGAGTG 4357

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTGCGTCACTAGGGCGGGCAACAAAGGTGCC 60
Db 4498 TTGGCCACTCCCTCTCGCGCTCGCTGCGTCACTAGGGCGGGCAACAAAGGTGCC 4498

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Qy 61 CGAGCCGGCTTGGCCGGCCCTAGTGAGCGAGGAGGTG 120  
 Db 4438 CGAGCCGGCTTGGCCGGCCCTAGTGAGCGAGGAGGTG 4379

Qy 121 GCCAA 125  
 Db 4378 GCCAA 4374

RESULT 25  
 US-09-782-378A-1  
 ; Sequence 1, Application US/09782378A  
 ; Patent No. US20020102731A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hearing, Patrick  
 ; APPLICANT: Bahou, Wadie  
 ; APPLICANT: Sandalon, Ziv  
 ; APPLICANT: Gratenko, Dmitri  
 ; TITLE OF INVENTION: Adenoviral Vectors  
 ; FILE REFERENCE: STONYB-04970  
 ; CURRENT APPLICATION NUMBER: US/09/782,378A  
 ; CURRENT FILING DATE: 2001-02-12  
 ; PRIOR APPLICATION NUMBER: 60/237,747  
 ; PRIOR FILING DATE: 2000-10-02  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 1  
 ; LENGTH: 4675  
 ; TYPE: DNA  
 ; ORGANISM: Human adeno-associated virus 2  
 ; US-09-782-378A-1

Query Match 100.0%; Score 125; DB 9; Length 4675;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGGCTGCTGCGCTCACTGGCGGGCAACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTGGGCTGCTGCGCTCACTGGCGGGCAACCAAGGTGCC 60

Qy 61 CGAGCCGGCTTGGCCGGCCCTAGTGAGCGAGGAGGTG 120  
 Db 61 CGAGCCGGCTTGGCCGGCCCTAGTGAGCGAGGAGGTG 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 26  
 US-09-782-378A-2  
 ; Sequence 2, Application US/09782378A  
 ; Patent No. US20020102731A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hearing, Patrick  
 ; APPLICANT: Bahou, Wadie  
 ; APPLICANT: Sandalon, Ziv  
 ; APPLICANT: Gratenko, Dmitri  
 ; TITLE OF INVENTION: Adenoviral Vectors  
 ; FILE REFERENCE: STONYB-04970  
 ; CURRENT APPLICATION NUMBER: US/09/782,378A  
 ; CURRENT FILING DATE: 2001-02-12  
 ; PRIOR APPLICATION NUMBER: 60/237,747  
 ; PRIOR FILING DATE: 2000-10-02  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 2  
 ; LENGTH: 4675  
 ; TYPE: DNA  
 ; ORGANISM: Human adeno-associated virus 2  
 ; US-09-782-378A-2

Query Match 100.0%; Score 125; DB 9; Length 4675;

Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGGCTGCTGCGCTCACTGGCGGGCAACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTGGGCTGCTGCGCTCACTGGCGGGCAACCAAGGTGCC 60

Qy 61 CGAGCCGGCTTGGCCGGCCCTAGTGAGCGAGGAGGTG 120  
 Db 61 CGAGCCGGCTTGGCCGGCCCTAGTGAGCGAGGAGGTG 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 27  
 US-10-240-198-1  
 ; Sequence 1, Application US/10240198  
 ; GENERAL INFORMATION:  
 ; Publication No. US20030100115A1  
 ; APPLICANT: BTG International Ltd  
 ; APPLICANT: BEARD DR, PETER  
 ; APPLICANT: RAJ DR, KENNETH  
 ; TITLE OF INVENTION: CYTOTOXIC AGENTS  
 ; FILE REFERENCE: 142184W0  
 ; CURRENT APPLICATION NUMBER: US/10/240,198  
 ; CURRENT FILING DATE: 2002-09-30  
 ; PRIOR APPLICATION NUMBER: 0009887.1  
 ; PRIOR FILING DATE: 2000-04-20  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 1  
 ; LENGTH: 4675  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2  
 ; US-10-240-198-1

Query Match 100.0%; Score 125; DB 15; Length 4675;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGGCTGCTGCGCTCACTGGCGGGCAACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTGGGCTGCTGCGCTCACTGGCGGGCAACCAAGGTGCC 60

Qy 61 CGAGCCGGCTTGGCCGGCCCTAGTGAGCGAGGAGGTG 120  
 Db 61 CGAGCCGGCTTGGCCGGCCCTAGTGAGCGAGGAGGTG 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 28  
 US-10-291-583-7  
 ; Sequence 7, Application US/10291583  
 ; GENERAL INFORMATION:  
 ; Publication No. US2003138772A1  
 ; APPLICANT: Gao, Guangping  
 ; APPLICANT: Wilson, James M.  
 ; APPLICANT: Alvarez, Mauricio  
 ; TITLE OF INVENTION: A Method of Detecting and/or Identifying Adeno-Associated Virus  
 ; TITLE OF INVENTION: Sequences and Isolating No. US20030138772A1 Sequences Identified  
 ; FILE REFERENCE: UPN-05735USA  
 ; CURRENT APPLICATION NUMBER: US/10/291,583  
 ; CURRENT FILING DATE: 2002-11-12  
 ; PRIOR APPLICATION NUMBER: US 60/350,607  
 ; PRIOR FILING DATE: 2001-11-13  
 ; PRIOR APPLICATION NUMBER: US 60/341,117  
 ; PRIOR FILING DATE: 2001-12-17  
 ; PRIOR APPLICATION NUMBER: US 60/377,066

Query Match 100.0%; Score 125; DB 9; Length 4675;

; PRIORITY FILING DATE: 2002-05-01  
 ; PRIORITY APPLICATION NUMBER: US 60/386,675  
 ; PRIORITY FILING DATE: 2002-06-05  
 ; NUMBER OF SEQ ID NOS: 120  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 7  
 ; LENGTH: 4675  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus serotype 2  
 ; US-10-291-583-7

Query Match 100.0%; Score 125; DB 15; Length 4675;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Software: PatentIn version 3.0

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGCCGGCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGCCGGCAAGGTGCC 60  
 Qy 61 CGAGCCGGGCTTGGCCGGGGCGCCAGGGCTGAGGAGGGACTG 120  
 Db 61 CGAGCCGGGCTTGGCCGGGGCGCCAGGGCTGAGGAGGGACTG 120  
 Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 29  
 US-10-427-129-2  
 ; Sequence 2, Application US/10427129  
 ; Publication No. US20040101514A1

; GENERAL INFORMATION:  
 ; APPLICANT: Liu, Yulong  
 ; APPLICANT: During, Matthew  
 ; APPLICANT: Lu, Jia  
 ; TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus

; FILE REFERENCE: 10182-24  
 ; CURRENT APPLICATION NUMBER: US/10/427,129  
 ; CURRENT FILING DATE: 2003-05-01  
 ; PRIOR APPLICATION NUMBER: 09/804,898  
 ; PRIOR FILING DATE: 2001-03-13  
 ; PRIOR APPLICATION NUMBER: 60/189,110  
 ; PRIOR FILING DATE: 2000-03-14  
 ; NUMBER OF SEQ ID NOS: 15  
 ; SEQ ID NO: 2  
 ; LENGTH: 4675  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2  
 ; US-10-427-129-2

Query Match 100.0%; Score 125; DB 19; Length 4675;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGCCGGCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGCCGGCAAGGTGCC 60  
 Qy 61 CGAGCCGGGCTTGGCCGGGGCGCCAGGGCTGAGGAGGGACTG 120  
 Db 61 CGAGCCGGGCTTGGCCGGGGCGCCAGGGCTGAGGAGGGACTG 120  
 Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 30  
 US-09-804-898-1  
 ; Sequence 1, Application US/09804898  
 ; Patent No. US2004015264A1

; GENERAL INFORMATION:  
 ; APPLICANT: DURING, MATTHEW  
 ; APPLICANT: XIAO, WEIDONG  
 ; TITLE OF INVENTION: PRODUCTION OF CHIMERIC CAPSID VECTORS

; FILE REFERENCE: 102182-14  
 ; CURRENT APPLICATION NUMBER: US/09/804,898  
 ; CURRENT FILING DATE: 2001-03-13  
 ; PRIOR APPLICATION NUMBER: 60/189,110  
 ; PRIOR FILING DATE: 2000-03-14  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PatentIn version 3.0

; SEQ ID NO: 1  
 ; LENGTH: 4679  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2  
 ; US-09-804-898-1

Query Match 100.0%; Score 125; DB 9; Length 4679;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGCCGGCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGCCGGCAAGGTGCC 60  
 Qy 61 CGAGCCGGGCTTGGCCGGGGCGCCAGGGCTGAGGAGGGACTG 120  
 Db 61 CGAGCCGGGCTTGGCCGGGGCGCCAGGGCTGAGGAGGGACTG 120  
 Qy 61 CGAGCCGGGCTTGGCCGGGGCTGAGGAGGGACTGAGGAGGGACTG 120  
 Db 61 CGAGCCGGGCTTGGCCGGGGCTGAGGAGGGACTGAGGAGGGACTG 120

RESULT 31  
 US-09-945-681-10  
 ; Sequence 10, Application US/09945681  
 ; Patent No. US2004015264A1

; GENERAL INFORMATION:  
 ; APPLICANT: UNIVERSITE DE NANTES  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR RECOMBINANT  
 ; TITLE OF INVENTION: ADENO-ASSOCIATED VIRUS PRODUCTION  
 ; FILE REFERENCE: B182AA - UNIVERSITE DE NANTES  
 ; CURRENT APPLICATION NUMBER: US/09/945,681  
 ; CURRENT FILING DATE: 2001-09-05  
 ; PRIOR APPLICATION NUMBER: PCT/EP 00/01854  
 ; PRIOR FILING DATE: 2000-03-05  
 ; NUMBER OF SEQ ID NOS: 10  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 10  
 ; LENGTH: 4679  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2

; US-09-945-681-10

Query Match 100.0%; Score 125; DB 9; Length 4679;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGCCGGCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGCCGGCAAGGTGCC 60  
 Qy 61 CGAGCCGGGCTTGGCCGGGGCGCCAGGGCTGAGGAGGGACTG 120  
 Db 61 CGAGCCGGGCTTGGCCGGGGCGCCAGGGCTGAGGAGGGACTG 120  
 Qy 61 CGAGCCGGGCTTGGCCGGGGCTGAGGAGGGACTGAGGAGGGACTG 120  
 Db 61 CGAGCCGGGCTTGGCCGGGGCTGAGGAGGGACTGAGGAGGGACTG 120

RESULT 32

US-10-038-972A-12  
 ; Sequence 12, Application US/10038972A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: J. Bartlett  
 ; TITLE OF INVENTION: AAV VECTORS AND METHODS  
 ; FILE REFERENCE: 28335/36996US  
 ; CURRENT APPLICATION NUMBER: US/10/038.972A  
 ; CURRENT FILING DATE: 2002-01-04  
 ; PRIOR APPLICATION NUMBER: US 60/260,124  
 ; PRIOR FILING DATE: 2001-01-05  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO: 12  
 ; LENGTH: 4679  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2  
 US-10-038-972A-12

Query Match 100.0%; Score 125; DB 13; Length 4679;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCAACTCCCTCTGGCCTCGCTCGCTCACTGAGGGGGGACCAAGGTGCGC 60  
 Db 1 TTGGCAACTCCCTCTGGCCTCGCTCGCTCACTGAGGGGGGACCAAGGTGCGC 60

Qy 61 CGACGCCGGGCTTTGGCGGGCTCAGTGAGCGAGGGAGTG 120  
 Db 61 CGACGCCGGGCTTTGGCGGGCTCAGTGAGCGAGGGAGTG 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 33  
 US-10-136-819-6  
 ; Sequence 6, Application US/10136819  
 ; Publication No. US20030166593A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Chien, Kenneth  
 ; APPLICANT: Hoshijima, Masahiko  
 ; TITLE OF INVENTION: No. US20030166593A1-viral vesicle vector for cardiac specific gene  
 ; FILE REFERENCE: 6627-PA1198  
 ; CURRENT APPLICATION NUMBER: US/10/136.819  
 ; CURRENT FILING DATE: 2002-04-30  
 ; PRIOR APPLICATION NUMBER: 60/287,423  
 ; PRIOR FILING DATE: 2001-04-30  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO: 6  
 ; LENGTH: 4679  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2  
 US-10-136-819-6

Query Match 100.0%; Score 125; DB 16; Length 4679;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCAACTCCCTCTGGCCTCGCTCACTGAGGGGGGACCAAGGTGCGC 60  
 Db 1 TTGGCAACTCCCTCTGGCCTCGCTCACTGAGGGGGGACCAAGGTGCGC 60

Qy 61 CGACGCCGGGCTTTGGCGGGCTCAGTGAGCGAGGGAGTG 120  
 Db 61 CGACGCCGGGCTTTGGCGGGCTCAGTGAGCGAGGGAGTG 120

RESULT 35  
 US-10-163-886-1  
 ; Sequence 1, Application US/10163886  
 ; Publication No. US20020187129A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Johnson, Philip R.  
 ; TITLE OF INVENTION: Adeno-Associated Virus Materials and Methods  
 ; NUMBER OF SEQUENCES: 3

## CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
 STREET: 6300 Sears Tower, 233 S. Wacker Drive

CITY: Chicago  
 STATE: Illinois

COUNTRY: USA

ZIP: 60606

## COMPUTER READABLE FORM:

  MEDIUM TYPE: Floppy disk

  COMPUTER: IBM PC compatible

  OPERATING SYSTEM: PC-DOS/MS-DOS

  SOFTWARE: PatentIn Release #1.0, Version #1.25

## CURRENT APPLICATION DATA:

  APPLICATION NUMBER: US/10/163,886

  FILING DATE: 04-Jun-2002

  PRIORITY NUMBER: US/20020187129A1

  ATTORNEY/AGENT INFORMATION:

  NAME: No. US/20020187129A1 and, Greta E.

  REGISTRATION NUMBER: 35,302

  REFERENCE/DOCKET NUMBER: 311975

## TELECOMMUNICATION INFORMATION:

  TELEPHONE: (312) 474-6700

  TELEFAX: (312) 474-0448

  TELEX: 25-3856

## INFORMATION FOR SEQ ID NO: 1:

  SEQUENCE CHARACTERISTICS:

  LENGTH: 4680 base pairs

  TYPE: nucleic acid

  STRANDEDNESS: single

  TOPOLOGY: linear

  MOLECULE TYPE: DNA (genomic)

  SEQUENCE DESCRIPTION: SEQ ID NO: 1:

  US-10-163-886-1

## SEQUENCE MATCHES:

  LENGTH: 4680 base pairs

  TYPE: nucleic acid

  STRANDEDNESS: single

  TOPOLOGY: linear

  MOLECULE TYPE: DNA (genomic)

  SEQUENCE DESCRIPTION: SEQ ID NO: 1:

  US-10-163-886-1

## SEQUENCE MATCH:

  Score 100.0%; DB 13; Length 4680;

  Best Local Similarity 100.0%; Pred. No. 5.8e-28;

  Matches 125; Conservative 0; Mismatches 0;

  Indels 0; Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

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  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

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  Gaps 0;

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  Gaps 0;

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  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

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  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

  Gaps 0;

FILING DATE: 04-Jun-2002  
 APPLICATION NUMBER: 09/292,703  
 FILING DATE: Unknown  
 ATTORNEY/AGENT INFORMATION:  
 NAME: No. US20030147912A1 and, Greta E.  
 REFERENCE/DOCKET NUMBER: 35,302  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (312) 474-6300  
 TELEFAX: (312) 474-0448  
 TELEX: 25-3856  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 4680 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-10-375-77-1

Query Match 100.0%; Score 125; DB 15; Length 4680;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCGGGGACCAAGGTGCC 60  
 Db 1 TTTGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCGGGGACCAAGGTGCC 60

Qy 61 CGACGCCGGCTTGCGGGGCTCASTGAGGAGGGAGGAGGAGGTG 120  
 Db 61 CGACGCCGGCTTGCGGGGCTCASTGAGGAGGGAGGAGGAGGTG 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 38  
 US-10-696-261-18  
 Sequence 18, Application US/10696261  
 Publication No. US20040057931A1  
 GENERAL INFORMATION:  
 APPLICANT: Wilson, James M.  
 APPLICANT: Xiao, Weidong  
 TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
 TITLE OF INVENTION: Vectors and Host Cells Containing Same  
 FILE REFERENCE: GNPVN 031USA  
 CURRENT APPLICATION NUMBER: US/10/696,261  
 CURRENT FILING DATE: 2003-10-29  
 PRIOR APPLICATION NUMBER: US/09/807,802A  
 PRIOR FILING DATE: 2002-02-21  
 PRIOR APPLICATION NUMBER: US 60/107,114  
 PRIOR FILING DATE: 1998-11-05  
 PRIOR APPLICATION NUMBER: PCT/US99/25694  
 NUMBER OF SEQ ID NOS: 20  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 18  
 LENGTH: 4681  
 TYPE: DNA  
 ORGANISM: AAV-2

Query Match 100.0%; Score 125; DB 18; Length 4681;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCGGGGACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCGGGGACCAAGGTGCC 60

Qy 61 CGACGCCGGCTTGCGGGGCTCASTGAGGAGGGAGGAGGAGGTG 120  
 Db 61 CGACGCCGGCTTGCGGGGCTCASTGAGGAGGGAGGAGGAGGTG 120

Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 40  
 US-10-696-261-18  
 Sequence 18, Application US/10696900  
 Publication No. US20040057933A1  
 GENERAL INFORMATION:  
 APPLICANT: Wilson, James M.  
 APPLICANT: Xiao, Weidong  
 TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
 TITLE OF INVENTION: Vectors and Host Cells Containing Same  
 FILE REFERENCE: GNPVN 031USA  
 CURRENT APPLICATION NUMBER: US/10/696,900  
 CURRENT FILING DATE: 2003-10-30  
 PRIOR APPLICATION NUMBER: US/09/807,802A  
 PRIOR FILING DATE: 2002-02-21  
 PRIOR APPLICATION NUMBER: US 60/107,114  
 PRIOR FILING DATE: 1998-11-05  
 PRIOR APPLICATION NUMBER: PCT/US99/25694  
 NUMBER OF SEQ ID NOS: 20  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 18  
 LENGTH: 4681  
 TYPE: DNA  
 ORGANISM: AAV-2

Query Match 100.0%; Score 125; DB 18; Length 4681;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-28;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCGGGGACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGCGGGGACCAAGGTGCC 60

Qy 61 CGACGCCGGCTTGCGGGGCTCASTGAGGAGGGAGGAGGAGGTG 120

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; TYPE: DNA
; ORGANISM: AAV-2
US-10-620-039-1_18

Query Match 100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCAAACRCCTCTCTGGGCGCTGGCTCACTGAGGCCGGACCAAGGTGCC 60
Db 1 TTGGCCAAACRCCTCTCTGGGCGCTGGCTCACTGAGGCCGGACCAAGGTGCC 60

Qy 61 CGACGCCCGGGCTTGTCCCCGGGGCGCTTCACTGAGGCCGGACCAAGGTGCC 120
Db 61 CGACGCCCGGGCTTGTCCCCGGGGCGCTTCACTGAGGCCGGACCAAGGTGCC 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

Query Match 100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCAACTCCCTCTCTGGCTGGCTCACTGAGGCCGGACCAAGGTGCC 60
Db 1 TTGGCCAACTCCCTCTCTGGCTGGCTCACTGAGGCCGGACCAAGGTGCC 60

Qy 61 CGAGCCGGGGCTTGTCCCCGGGGCGCTTCACTGAGGCCGGACCAAGGTGCC 120
Db 61 CGAGCCGGGGCTTGTCCCCGGGGCGCTTCACTGAGGCCGGACCAAGGTGCC 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 41
US-10-620-261-19
; Sequence 19, Application US/10696261
; Publication No. US20040057931A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNPVN_031USA
; CURRENT APPLICATION NUMBER: US/10/696,261
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-620-261-19

Query Match 100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCAAACRCCTCTCTGGGCGCTGGCTCACTGAGGCCGGACCAAGGTGCC 60
Db 1 TTGGCCAAACRCCTCTCTGGGCGCTGGCTCACTGAGGCCGGACCAAGGTGCC 60

Qy 61 CGACGCCCGGGCTTGTCCCCGGGGCGCTTCACTGAGGCCGGACCAAGGTGCC 120
Db 61 CGACGCCCGGGCTTGTCCCCGGGGCGCTTCACTGAGGCCGGACCAAGGTGCC 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

Query Match 100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCAACTCCCTCTCTGGCTGGCTCACTGAGGCCGGACCAAGGTGCC 60
Db 1 TTGGCCAACTCCCTCTCTGGCTGGCTCACTGAGGCCGGACCAAGGTGCC 60

Qy 61 CGAGCCGGGGCTTGTCCCCGGGGCGCTTCACTGAGGCCGGACCAAGGTGCC 120
Db 61 CGAGCCGGGGCTTGTCCCCGGGGCGCTTCACTGAGGCCGGACCAAGGTGCC 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 42
US-10-620-282-19
; Sequence 19, Application US/10696282
; Publication No. US20040057932A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same

```

RESULT 44  
 US-10-427-129-6  
 Sequence 6, Application US/10427129  
 Publication No. US20040101514A1  
 GENERAL INFORMATION:  
 APPLICANT: Liu, Yuhong  
 APPLICANT: Luo, Jia  
 APPLICANT: During, Matthew  
 TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus  
 FILE REFERENCE: 102182-24  
 CURRENT APPLICATION NUMBER: US/10/427,129  
 CURRENT FILING DATE: 2003-05-01  
 PRIOR APPLICATION NUMBER: 09-804,898  
 PRIOR FILING DATE: 2001-03-13  
 PRIOR APPLICATION NUMBER: 60/189,110  
 PRIOR FILING DATE: 2000-03-14  
 NUMBER OF SEQ ID NOS: 15  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO 6  
 LENGTH: 4683  
 TYPE: DNA  
 ORGANISM: adeno-associated virus 2  
 US-10-427-129-6

Query Match Score 100.0%; Pred. No. 5.8e-28; Length 4683;  
 Test Local Similarity 100.0%; Mismatches 0; Indels 0; Gaps 0;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCCTCGCTCGCTCACTGAGCCGACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTGGCTCGCTCGCTCACTGAGCCGACCAAGGTGCC 60  
 Qy 61 CGAGCCCCGGGTTGGCCGGGGCTAGTGAGCAAGGAGGAGTG 120  
 Db 61 CGAGCCCCGGGTTGGCCGGGGCTAGTGAGCAAGGAGGAGTG 120  
 Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 45  
 US-10-959-017-2  
 Sequence 2, Application US/10959017  
 Publication No. US20050106125A1  
 GENERAL INFORMATION:  
 APPLICANT: FAICK-DEDERSSEN, ERIK S  
 APPLICANT: PHILPOTT, NICOLA  
 TITLE OF INVENTION: USE OF AAV INTEGRATION EFFICIENCY ELEMENT FOR MEDIATING  
 SITE-SPECIFIC INTEGRATION OF A TRANSCRIPTION UNIT  
 FILE REFERENCE: 2-0526  
 CURRENT APPLICATION NUMBER: US/10/959,017  
 CURRENT FILING DATE: 2004-10-05  
 PRIOR APPLICATION NUMBER: PCT/US03/11191  
 PRIOR FILING DATE: 2003-04-09  
 PRIOR APPLICATION NUMBER: US 60/371,044  
 PRIOR FILING DATE: 2002-04-09  
 NUMBER OF SEQ ID NOS: 6  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 2  
 LENGTH: 4683  
 TYPE: DNA  
 ORGANISM: adeno-associated virus serotype 6  
 US-10-959-017-2

Query Match Score 100.0%; Pred. No. 5.8e-28; Length 4683;  
 Best Local Similarity 100.0%; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCCTCGCTCGCTCACTGAGCCGACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTGGCTCGCTCGCTCACTGAGCCGACCAAGGTGCC 60  
 Qy 61 CGAGCCCCGGGTTGGCCGGGGCTAGTGAGCAAGGAGGAGTG 120  
 Db 61 CGAGCCCCGGGTTGGCCGGGGCTAGTGAGCAAGGAGGAGTG 120  
 Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 46  
 US-09-845-416-29  
 Sequence 29, Application US/09845416  
 Publication No. US20030171312A1  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845,416  
 PRIOR APPLICATION NUMBER: 60/200, 777  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 36  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 29

Query Match Score 100.0%; Pred. No. 5.7e-28; Length 4825;  
 Best Local Similarity 100.0%; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCCTCGCTCGCTCACTGAGCCGACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTGGCTCGCTCGCTCACTGAGCCGACCAAGGTGCC 60  
 Qy 61 CGAGCCCCGGGTTGGCCGGGGCTAGTGAGCAAGGAGGAGTG 120  
 Db 61 CGAGCCCCGGGTTGGCCGGGGCTAGTGAGCAAGGAGGAGTG 120  
 Qy 121 GCCAA 125  
 Db 121 GCCAA 125

RESULT 47  
 US-09-845-416-29/c  
 Sequence 29, Application US/09845416  
 Publication No. US20030171312A1  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845,416  
 PRIOR APPLICATION NUMBER: 60/200, 777  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 36  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 29

Query Match Score 100.0%; Pred. No. 5.7e-28; Length 4825;  
 Best Local Similarity 100.0%; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred. No. 5.7e-28; Mismatches 0; Indels 0; Gaps 0; Matches 125; Conservative 0; Gaps 0; Score 125; DB 10; Length 4966; US-09-845-416-28

Query Match 100.0%; Pred. No. 5.7e-28; Best Local Similarity 100.0%; Mismatches 0; Indels 0; Gaps 0; Matches 125; Conservative 0; Gaps 0; Score 125; DB 10; Length 4966; US-09-845-416-28

Qy 1 TTGGCCACTCCCTCTCGCGCTACTGAGCCGGCAAGGTCCC 60  
Db 4825 TTGGCCACTCCCTCTCGCGCTACTGAGCCGGCAAGGTCCC 4766

Qy 61 CGAGGCCGGGCTTGCCTGGGAGGCTAGTGGCGAGGGAGTG 120  
Db 4765 CGAGGCCGGGCTTGCCTGGGAGGCTAGTGGCGAGGGAGTG 4706

Qy 121 GCCAA 125  
Db 4705 GCCAA 4701

RESULT 48  
US-09-845-416-35/C  
Sequence 35, Application US/09845416  
Publication No. US20030171312A1  
GENERAL INFORMATION:  
APPLICANT: XIAO, XIAO  
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
TITLE OF INVENTION: THEREOF  
FILE REFERENCE: DE1142  
CURRENT APPLICATION NUMBER: US/09/845,416  
CURRENT FILING DATE: 2001-04-30  
PRIOR FILING DATE: 2000-04-28  
NUMBER OF SEQ ID NOS: 36  
SEQ ID NO: 35  
LENGTH: 4848  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-845-416-35

Query Match 100.0%; Pred. No. 5.7e-28; Mismatches 0; Indels 0; Gaps 0; Matches 125; Conservative 0; Gaps 0; Score 125; DB 10; Length 4848; US-09-845-416-28

Qy 1 TTGGCCACTCCCTCTCGCGCTACTGAGCCGGGAGCAAGGTGCC 60  
Db 4848 TTGGCCACTCCCTCTCGCGCTACTGAGCCGGGAGCAAGGTGCC 4789

Qy 61 CGAGGCCGGGCTTGCCTGGGAGGCTAGTGGCGAGGGAGTG 120  
Db 4788 CGAGGCCGGGCTTGCCTGGGAGGCTAGTGGCGAGGGAGTG 4729

Qy 121 GCCAA 125  
Db 4728 GCCAA 4724

RESULT 49  
US-09-845-416-28  
Sequence 28, Application US/09845416  
Publication No. US20030171312A1  
GENERAL INFORMATION:  
APPLICANT: XIAO, XIAO  
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
TITLE OF INVENTION: THEREOF  
FILE REFERENCE: DE1142  
CURRENT APPLICATION NUMBER: US/09/845,416  
CURRENT FILING DATE: 2001-04-30  
PRIOR FILING DATE: 2000-04-28  
NUMBER OF SEQ ID NOS: 36  
SEQ ID NO: 28  
LENGTH: 4966  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-845-416-28

Query Match 100.0%; Pred. No. 5.7e-28; Best Local Similarity 100.0%; Mismatches 0; Indels 0; Gaps 0; Matches 125; Conservative 0; Gaps 0; Score 125; DB 10; Length 4966; US-09-845-416-28

Qy 1 TTGGCCACTCCCTCTCGCGCTACTGAGCCGGGAGCAAGGTGCC 60  
Db 4966 TTGGCCACTCCCTCTCGCGCTACTGAGCCGGGAGCAAGGTGCC 4907

Qy 61 CGAGGCCGGGCTTGCCTGGGAGGCTAGTGGCGAGGGAGTG 120  
Db 4906 CGAGGCCGGGCTTGCCTGGGAGGCTAGTGGCGAGGGAGTG 4847

Qy 121 GCCAA 125  
Db 4846 GCCAA 4842

RESULT 51  
US-09-845-416-34  
Sequence 34, Application US/09845416  
Publication No. US20030171312A1  
GENERAL INFORMATION:  
APPLICANT: XIAO, XIAO  
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
TITLE OF INVENTION: THEREOF  
FILE REFERENCE: DE1142  
CURRENT APPLICATION NUMBER: US/09/845,416  
CURRENT FILING DATE: 2001-04-30  
PRIOR FILING DATE: 2000-04-28  
NUMBER OF SEQ ID NOS: 36  
SEQ ID NO: 28  
LENGTH: 4966  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-845-416-34

---

```

; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Homo sapiens
; SEQ ID: US-09-845-416-34
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 36
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-845-416-36

Query Match 100.0%; Score 125; DB 10; Length 4990;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query Match 100.0%; Score 125; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGCCCTCGCTGCGTCACTGGCCCTACTGGCC 60
Db 1 TTGGCCACTCCCTCTGGCCCTCGCTGCGTCACTGGCCCTACTGGCC 60
Qy 1 CGACGCCGGCTTGGCCGGGGCTCACTGAGGAGGAGGAGT 120
Db 61 CGACGCCGGCTTGGCCGGGGCTCACTGAGGAGGAGGAGT 120
Qy 121 GCCAA 125
Db 121 GCCAA 125
Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 52
US-09-845-416-34/C
; Sequence 34, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845.416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO: 34
; SOFTWARE: PatentIn Ver. 2.1
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Homo sapiens
; SEQ ID: US-09-845-416-34

Query Match 100.0%; Score 125; DB 10; Length 4990;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query Match 100.0%; Score 125; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGCCCTCGCTGCGTCACTGGCCCTACTGGCC 60
Db 4990 TTGGCCACTCCCTCTGGCCCTCGCTGCGTCACTGGCCCTACTGGCC 4931
Qy 61 CGACGCCGGCTTGGCCGGGGCTCACTGAGGAGGAGGAGT 120
Db 4930 CGACGCCGGCTTGGCCGGGGCTCACTGAGGAGGAGGAGT 4871
Qy 121 GCCAA 125
Db 4870 GCCAA 4866
Qy 121 GCCAA 125
Db 4940 GCCAA 4936

RESULT 53
US-09-845-416-36
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845.416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO: 36
; SOFTWARE: PatentIn Ver. 2.1
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
; SEQ ID: US-09-845-416-36

RESULT 55
US-09-845-416-27
; Sequence 27, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845.416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO: 27
; SOFTWARE: PatentIn Ver. 2.1
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
; SEQ ID: US-09-845-416-27

```

```

; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match 100.0%; Score 125; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 5.7e-28; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0; Gaps 0;
; SEQ ID NO: 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Qy 1 TTGGCCACTCCCTCTGGCGCTCTGCGCGGCGACCAAGGTCCC 60
Db 1 TTGGCCACTCCCTCTGGCGCTCTGCGCGGCGACCAAGGTCCC 60
Qy 61 CGAGGCCGGGCTTGCCTGGGGGGCTAGTGCGGAGGGAGTG 120
Db 61 CGAGGCCGGGCTTGCCTGGGGGGCTAGTGCGGAGGGAGTG 120
Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 56
US-09-845-416-27/c
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHRY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match 100.0%; Score 125; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 5.7e-28; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0; Gaps 0;
; SEQ ID NO: 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

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Qy 61 CGAGGCCGGGCTTGCCTGGGGGGCTAGTGCGGAGGGAGTG 120
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RESULT 57
US-10-267-117-4
; Publication No. US20030052162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.01100
; CURRENT APPLICATION NUMBER: US/10/267-117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: 1999-04-23
; PRIOR FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Qy 1 TTGGCCACTCCCTCTGGCGCTCTGCGCGGCGACCAAGGTCCC 60
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RESULT 59
US-10-340-112-4
; Sequence 4, Application US/10340112
; Publication No. US20030095949A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300_011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 5932
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-340-112-4

Query Match 100 %; Score 125; DB 14; Length 5932;
Best Local Similarity 100 %; Pred. No. 5.5e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 60
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; Sequence 4, Application US/10340112
; Publication No. US20030095949A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300_011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 5932

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description
US-10-340-112-4

Query Match 100.0%
Best Local Similarity 100.0%
Matches 125; Conservative 0

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Db 3078 TTGGCCACTCCCTCTGCCC

Qy 121 GCCAA 125
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; Publication No. US2003009594A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300 011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
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; TYPE: DNA
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; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
; Job time : 421.444 secs
; Search completed: July 5, 2005, 11:44:44

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RESULT 60  
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; Sequence 4, Application US/10340112  
; Publication No. US20030095949A1  
; GENERAL INFORMATION:  
; APPLICANT: FLOTTE, TERENCE R.  
; APPLICANT: SONG, SHIONG  
; APPLICANT: BYRNE, BARRY J.  
; APPLICANT: MORGAN, MICHAEL  
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
; FILE REFERENCE: 4300.011800  
; CURRENT APPLICATION NUMBER: US/10/340,112  
; CURRENT FILING DATE: 2003-01-10  
; PRIORITY NUMBER: US/09/299,141  
; PRIORITY FILING DATE: 1999-04-23  
; PRIORITY NUMBER: EARLIER APPLICATION NUMBER : 60/083,025  
; PRIORITY FILING DATE: EARLIER FILING DATE: 1998-04-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 5932

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 90.2778 Seconds

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Post-processing: Minimum Match 0%

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Listing first 300 summaries

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c 147	67	53.6	73	3	US-08-276-625-5	Sequence 5, Appli	219	33	1926	3	US-08-471-914-12
c 148	64.4	51.5	149	3	US-08-702-573-6	Sequence 6, Appli	220	33	1926	3	US-08-471-914-12
c 149	64.4	51.5	129	3	US-08-702-573-6	Sequence 7, Appli	221	33	1926	3	US-08-471-914-12
c 150	56.6	45.8	129	3	US-09-532-594B-20	Sequence 20, Appli	222	33	1926	3	US-08-471-914-12
c 151	54.8	43.8	120	3	US-08-308-949A-3	Sequence 13, Appli	223	33	1926	3	US-08-471-914-12
c 152	52.6	42.1	149	3	US-09-276-625-5	Sequence 13, Appli	224	32.8	1926	4	US-09-949-016-23355
c 153	40.5	40.5	73	3	US-08-702-573-6	Sequence 6, Appli	225	32.6	1926	4	US-09-949-016-23355
c 154	50.6	40.5	73	3	US-08-702-573-7	Sequence 7, Appli	226	32.4	1926	4	US-09-949-016-23355
c 155	50.6	40.5	135	3	US-08-702-573-1	Sequence 1, Appli	227	31.8	1926	4	US-09-949-016-23355
c 156	48.6	38.9	316	3	US-09-216-625-11	Sequence 11, Appli	228	31.8	1926	4	US-09-949-016-23355
c 157	47.6	38.1	310	3	US-09-276-625-13	Sequence 13, Appli	229	31.8	1926	4	US-09-949-016-23355
c 158	43.7	37.6	48	3	US-08-471-914-13	Sequence 9, Appli	231	31.8	1926	4	US-09-949-016-23355
c 159	35.0	32.3	139	3	US-08-471-914-18	Sequence 8, Appli	232	31.8	1926	4	US-09-949-016-23355
c 160	43.4	34.7	310	3	US-09-276-625-10	Sequence 10, Appli	233	31.8	1926	4	US-09-949-016-23355
c 161	42.8	34.2	276	3	US-08-471-914-10	Sequence 7, Appli	234	31.8	1926	4	US-09-949-016-23355
c 162	42.2	33.8	139	3	US-08-471-914-8	Sequence 8, Appli	235	31.8	1926	4	US-09-949-016-23355
c 163	41.8	33.4	46	3	US-08-702-573-8	Sequence 9, Appli	236	31.8	1926	4	US-09-949-016-23355
c 164	41.4	33.1	316	3	US-09-276-625-11	Sequence 11, Appli	237	31.6	1926	4	US-09-949-016-23355
c 165	40.4	32.3	120	1	US-08-941A-3	Sequence 3, Appli	238	31.6	1926	4	US-09-949-016-23355
c 166	39.8	31.8	276	3	US-09-276-625-10	Sequence 10, Appli	239	31.6	1926	4	US-09-949-016-23355
c 167	39	31.2	132	1	US-08-308-949A-7	Sequence 7, Appli	240	31.6	1926	4	US-09-949-016-23355
c 168	39	31.2	132	1	US-08-471-914-7	Sequence 8, Appli	241	31.6	1926	4	US-09-949-016-23355
c 169	37.8	30.2	120	3	US-08-471-914-10	Sequence 11, Appli	242	31.6	1926	4	US-09-949-016-23355
c 170	37.8	30.2	120	3	US-08-471-914-10	Sequence 12, Appli	243	31.4	1926	4	US-09-949-016-23355
c 171	36.4	29.1	123	3	US-08-471-914-9	Sequence 9, Appli	244	31.4	1926	4	US-09-949-016-23355
c 172	35	28.0	1917	3	US-08-808-346-1	Sequence 1, Appli	245	31.4	1926	4	US-09-252-991A-13236
c 173	35	28.0	1926	1	US-07-901-703-12	Sequence 12, Appli	246	31.4	1926	4	US-09-949-016-13171

RESULT 1  
 US-07-789-917A-1  
 ; Sequence 1, Application US/0789917A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Srivastava, Arun  
 ; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
 ; NUMBER OF SEQUENCES: 2  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Scully, Scott, Murphy Presser  
 ; STREET: 400 Garden City Plaza  
 ; CITY: Garden City  
 ; STATE: New York  
 ; COUNTRY: USA

RESULT 2  
 US-08-702-573-4  
 ; Sequence 4, Application US/08702573  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Vignes, Emmanuel  
 ; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES, USES THEREOF  
 ; NUMBER OF SEQUENCES: 13  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Rhone-Poulenc Rorer Inc.  
 ; STREET: 500 Arcola Rd. 3C43  
 ; CITY: Collegeville  
 ; STATE: PA  
 ; COUNTRY: USA  
 ; ZIP: 19426

SEQUENCE 1  
 Sequence 15006, A  
 Sequence 17493, A  
 Sequence 1, Appli  
 Sequence 5, Appli  
 Sequence 13690, A  
 Sequence 14891, A  
 Sequence 12664, A  
 Sequence 14168, A  
 Sequence 13338, A  
 Sequence 2, Appli  
 Sequence 9740, AP  
 Sequence 55143, A  
 Sequence 9548, AP  
 Sequence 9500, AP  
 Sequence 4820, AP  
 Sequence 837, APD  
 Sequence 16566, A  
 Sequence 15119, A  
 Sequence 12257, A  
 Sequence 15368, A  
 Sequence 7531, AP  
 Sequence 16378, A  
 Sequence 12147, A  
 Sequence 17361, A  
 Sequence 1, Appli  
 Sequence 3, Appli  
 Sequence 3, Appli  
 Sequence 4, Appli  
 Sequence 1202, AP  
 Sequence 1253, AP  
 Sequence 13165, A  
 Sequence 168982,  
 Sequence 9212, AP  
 Sequence 106, AP  
 Sequence 35, Appli  
 Sequence 14171, A  
 Sequence 15910, A  
 Sequence 991, APP  
 Sequence 11895, A  
 Sequence 13723, A  
 Sequence 16507, A  
 Sequence 15601, A  
 Sequence 94, Appli  
 Sequence 1900, AP  
 Sequence 7525, AP  
 Sequence 14546, A  
 Sequence 1, Appli  
 Sequence 12, Appli  
 Sequence 26, Appli  
 Sequence 22, Appli  
 Sequence 9, Appli  
 Sequence 9, Appli  
 Sequence 22, Appli

## ALIGNMENTS

ZIP: 11530  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC/OS/MS-DOS  
 SOFTWARE: PatentIn Release q.0, Version q.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/789,917A  
 FILING DATE: 19911118  
 CLASSIFICATION: 435 ;  
 ATTORNEY/AGENT INFORMATION:  
 NAME: McMulty, William E.  
 REGISTRATION NUMBER: 22,606  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (516)742-4343  
 TELEFAX: (516)742-4366  
 TELEX: 230901 SANS UR  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 base pairs  
 TYPE: NUCLEAR ACID  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-07-789-917A-1

Query Match 100.0%; Score 125; DB 1; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 8.5e-25;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGCCACTCCCTCTCGCGCTCTGCTGCTCACTGGCCGGGCCAACAGTCCCC 60  
 Db 1 TGGCCACTCCCTCTCGCGCTCTGCTGCTCACTGGCCGGGCCAACAGTCCCC 60

Query Match 100.0%; Score 125; DB 1; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 8.5e-25;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAGCCGGGCTTGCAGGGGCTCAGTGAAGCCAGGGCGAGGGACTG 120  
 Db 1 CGAGCCGGGCTTGCAGGGCGAGGGCTCAGTGAAGCCAGGGCGAGGGACTG 120

RESULT

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APPLICATION NUMBER: FR 94/02445  
 FILING DATE: 03-MAR-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/FR95/00233  
 FILING DATE: 28-FEB-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Smith Ph. D., Julie K.  
 REGISTRATION NUMBER: 38, 619  
 REFERENCE/DOCKET NUMBER: ST94011-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (610) 454-3808  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: other nucleic acid  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 1..145  
 OTHER INFORMATION: /note= "Minimal ITR Sequence"  
 US-08-573-4

Query Match 100.0%; Score 125; DB 3; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 8 5e-25; Indels 0; Gaps 0;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 3  
 US-08-525-866-1/c  
 Patent No. 6204457  
 Sequence 1, Application US/08525866

GENERAL INFORMATION:  
 APPLICANT: NATSOULIS, GEORGES  
 APPLICANT: FURSKY, RICHARD T.  
 TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY  
 NUMBER OF SEQUENCES: 6  
 CORRESPONDENCE ADDRESS:  
 ADDRESSSEE: REED & ROBINS  
 STREET: 285 Hamilton Avenue, Suite 200  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94301

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/525,866  
 FILING DATE: 08-SEP-1995  
 CLASSIFICATION 514  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ROBINS, ROBERTA L.  
 REGISTRATION NUMBER: 33,208  
 REFERENCE DOCKET NUMBER: 0800-0006  
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 327-3400  
 TELEFAX: (415) 327-3331  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-525-866-1

Query Match 100.0%; Score 125; DB 3; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 8.5e-25; Indels 0; Gaps 0;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4  
 US-07-982-193-1  
 Sequence 1, Application US/07982193  
 Patent No. 6261834  
 GENERAL INFORMATION:  
 APPLICANT: Srivastava, Arun  
 TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
 NUMBER OF SEQUENCES: 2  
 CORRESPONDENCE ADDRESS:  
 ADDRESSSEE: Scully, Scott, Murphy & Presser  
 STREET: 400 Garden City Plaza  
 CITY: Garden City  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 11530

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/982,193  
 FILING DATE: 1992-11-25  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MCNULY, William E.  
 REGISTRATION NUMBER: 22, 606  
 REFERENCE/DOCKET NUMBER: 8361  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (516) 742-4343  
 TELEFAX: (516) 742-4366  
 TELEX: 230 901 SANS JR  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 base pairs  
 TYPE: NUCLEIC ACID  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

Query Match 100.0%; Score 125; DB 3; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 8.5e-25; Indels 0; Gaps 0;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGCGCTCGCTCGCTACTGAGGCCAAAGGTGCC 60  
 Db 125 TTGGCCACTCCCTCTGCGCTCGCTCGCTACTGAGGCCAAAGGTGCC 66  
 Qy 61 CGACGCCGGCTTCCCGGGCCCTAGTGAAGGAGGCCAGAGGAGTG 120  
 Db 65 CGACGCCGGCTTCCCGGGCCCTAGTGAAGGAGGCCAGAGGAGTG 6

Qy 121 GCCAA 125  
 Db 5 GCCAA 1

Db 1 TTGCCCACTCCCTCTGGGCTCGCTCACTGGCCGGCAACAAAGGTGCC 60  
 Qy 61 CGAGGCCGGGCTTGCCGGGCTTGCCGGCTGACTGGGGCCACCAAGGTGCC 120  
 Db 61 CGAGGCCGGGCTTGCCGGCTGACTGGGGCCACCAAGGTGCC 80  
 Qy 121 GCCRA 125  
 Db 121 GCCRA 125

RESULT 5  
 i Sequence 1, Application US/07989841A  
 i Patent No. 548745  
 i GENERAL INFORMATION:  
 i APPLICANT: Samulski, R. J.  
 i APPLICANT: Xiao, X.  
 i TITLE OF INVENTION: Recombinant Viral Vector System  
 i NUMBER OF SEQUENCES: 6  
 i CORRESPONDENCE ADDRESS:  
 i ADDRESSEE: Pennie & Edmonds  
 i STREET: 1155 Avenue of the Americas  
 i CITY: New York  
 i STATE: New York  
 i COUNTRY: U.S.A.  
 i ZIP: 10016-2711  
 i COMPUTER READABLE FORM:  
 i MEDIUM TYPE: Floppy disk  
 i COMPUTER: IBM PC compatible  
 i OPERATING SYSTEM: PC-DOS/MS-DOS  
 i SOFTWARE: PatentIn Release #1.0, Version #1.25  
 i CURRENT APPLICATION DATA:  
 i APPLICATION NUMBER: US/08/440,738A  
 i REFERENCE/DOCKET NUMBER: 6636-022  
 i FILING DATE: May 15, 1995  
 i CLASSIFICATION: 435  
 i ATTORNEY/AGENT INFORMATION:  
 i NAME: Coruzzi, Laura A.  
 i REGISTRATION NUMBER: 30,742  
 i TELECOMMUNICATION INFORMATION:  
 i TELEPHONE: (212) 790-9090  
 i TELEFAX: (212) 869-8864/9741  
 i TELEX: 66141 PENNIE  
 i INFORMATION FOR SEQ ID NO: 1:  
 i SEQUENCE CHARACTERISTICS:  
 i LENGTH: 165 base pairs  
 i TYPE: nucleic acid  
 i STRANDEDNESS: double  
 i TOPOLOGY: unknown  
 i MOLECULE TYPE: DNA (genomic)  
 i US-08-440-738A-1

Query Match 100.0%; Score 125; DB 2; Length 165;  
 Best Local Similarity 100.0%; Pred. No. 8.5e-25;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCCTCGCTCACTGGGGCCACCAAGGTGCC 60  
 Db 21 TTGGCCACTCCCTCTGGCCCTCGCTCACTGGGGCCACCAAGGTGCC 80  
 Qy 61 CGAGGCCGGGCTTGCCGGGCTTGCCGGCTGACTGGGGCCACCAAGGTGCC 120  
 Db 81 CGAGGCCGGGCTTGCCGGGCTTGCCGGGCTTGCCGGCTGACTGGGGCCACCAAGGTGCC 140  
 Qy 121 GCCRA 125  
 Db 141 GCCRA 145

Query Match 100.0%; Score 125; DB 1; Length 165;  
 Best Local Similarity 100.0%; Pred. No. 8.5e-25;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCCTCGCTCACTGGGGCCACCAAGGTGCC 60  
 Db 21 TTGGCCACTCCCTCTGGCCCTCGCTCACTGGGGCCACCAAGGTGCC 80  
 Qy 61 CGAGGCCGGGCTTGCCGGGCTTGCCGGGCTTGCCGGCTGACTGGGGCCACCAAGGTGCC 120  
 Db 81 CGAGGCCGGGCTTGCCGGGCTTGCCGGGCTTGCCGGCTGACTGGGGCCACCAAGGTGCC 140  
 Qy 121 GCCRA 125  
 Db 141 GCCRA 145

RESULT 6  
 US-08-440-738A-1







ORGANISM: AAV-6  
US-09-807-802A-19

Query Match 100.0%; Score 125; DB 4; Length 4683;  
Best Local Similarity 100.0%; Pred. No. 1e-24;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCGGCTCCCTACTGAGCCGGGACCAAAGGTCCCC 60  
Db 1 TTGGCCACTCCCTCTGGCCGGCTCCCTACTGAGCCGGGACCAAAGGTCCCC 60

Qy 61 CGAGCCCGGGCTTGCCTGGGGGGCCCTCACTGAGGCGGAGGGAGCTG 120  
Db 61 CGAGCCCGGGCTTGCCTGGGGGGCCCTCACTGAGGCGGAGGGAGCTG 120

Qy 121 GCCAA 125  
Db 121 GCCAA 125

RESULT 16  
US-09-299-141-4

Sequence 4, Application US/09299141  
Patent No. 6461606

GENERAL INFORMATION:  
APPLICANT: FLOTTE, TERENCE R.  
APPLICANT: SONG, SHIONG  
APPLICANT: BYRNE, BARRY J.  
APPLICANT: MORGAN, MICHAEL

TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY

CURRENT APPLICATION NUMBER: US/09/299,141  
CURRENT FILING DATE: 1999-04-23  
EARLIER APPLICATION NUMBER: 6/083,025  
EARLIER FILING DATE: 1998-04-24  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 4  
LENGTH: 5932

TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
US-09-299-141-4

Query Match 100.0%; Score 125; DB 3; Length 5932;  
Best Local Similarity 100.0%; Pred. No. 1e-24;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCGGCTCCCTACTGAGCCGGGACCAAAGGTCCCC 60  
Db 18 TTGGCCACTCCCTCTGGCCGGCTCCCTACTGAGCCGGGACCAAAGGTCCCC 77

Qy 61 CGAGCCCGGGCTTGCCTGGGGGGCCCTCACTGAGGCGGAGGGAGCTG 120  
Db 78 CGAGCCCGGGCTTGCCTGGGGGGCCCTCACTGAGGCGGAGGGAGCTG 137

Qy 121 GCCAA 125  
Db 138 GCCAA 142

RESULT 17  
US-09-299-141-4/C

Sequence 4, Application US/09299141  
Patent No. 6461606

GENERAL INFORMATION:  
APPLICANT: FLOTTE, TERENCE R.  
APPLICANT: SONG, SHIONG  
APPLICANT: BYRNE, BARRY J.  
APPLICANT: MORGAN, MICHAEL

TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
FILE REFERENCE: 4300\_011800

CURRENT APPLICATION NUMBER: US/09/299,141  
CURRENT FILING DATE: 1999-04-23  
EARLIER APPLICATION NUMBER: 6/083,025  
EARLIER FILING DATE: 1998-04-24  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 4  
LENGTH: 5932

TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
US-09-299-141-4

Query Match 100.0%; Score 125; DB 3; Length 5932;  
Best Local Similarity 100.0%; Pred. No. 1e-24;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCGGCTCCCTACTGAGCCGGGACCAAAGGTCCCC 60  
Db 3078 TTGGCCACTCCCTCTGGCCGGCTCCCTACTGAGCCGGGACCAAAGGTCCCC 60

Qy 61 CGAGCCCGGGCTTGCCTGGGGGGCCCTCACTGAGGCGGAGGGAGCTG 120  
Db 3018 CGAGCCCGGGCTTGCCTGGGGGGCCCTCACTGAGGCGGAGGGAGCTG 2959

Qy 121 GCCAA 125  
Db 2958 GCCAA 2954

RESULT 18  
US-09-299-141-8

Sequence 8, Application US/09299141  
Patent No. 6461606

GENERAL INFORMATION:  
APPLICANT: FLOTTE, TERENCE R.  
APPLICANT: SONG, SHIONG  
APPLICANT: BYRNE, BARRY J.  
APPLICANT: MORGAN, MICHAEL

TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
FILE REFERENCE: 4300\_011800

CURRENT APPLICATION NUMBER: US/09/299,141  
CURRENT FILING DATE: 1999-04-23  
EARLIER APPLICATION NUMBER: 6/083,025  
EARLIER FILING DATE: 1998-04-24  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
LENGTH: 6142

TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:p43mENC-AT  
US-09-299-141-8

Query Match 100.0%; Score 125; DB 3; Length 6142;  
Best Local Similarity 100.0%; Pred. No. 1e-24;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCGGCTCCCTACTGAGCCGGGACCAAAGGTCCCC 60  
Db 18 TTGGCCACTCCCTCTGGCCGGCTCCCTACTGAGCCGGGACCAAAGGTCCCC 77

Qy 61 CGAGCCCGGGCTTGCCTGGGGGGCCCTCACTGAGGCGGAGGGAGCTG 120  
Db 78 CGAGCCCGGGCTTGCCTGGGGGGCCCTCACTGAGGCGGAGGGAGCTG 137

Qy 121 GCCAA 125  
Db 138 GCCAA 142

RESULT 19  
 US-09-299-141-8/c  
 Sequence 8, Application US/09299141  
 Patent No. 6461606  
 GENERAL INFORMATION:  
 APPLICANT: FLOTTE, TERENCE R.  
 APPLICANT: SONG, SIHONG  
 APPLICANT: BYRNE, BARRY J.  
 APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 FILE REFERENCE: 4300\_011800  
 CURRENT APPLICATION NUMBER: US/09/299, 141  
 CURRENT FILING DATE: 1999-04-23  
 EARLIER APPLICATION NUMBER: 60/083, 025  
 EARLIER FILING DATE: 1998-04-24  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 8  
 LENGTH: 6142  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 OTHER INFORMATION: p43msENC-AT  
 US-09-299-141-8

Query Match 100.0%; Score 125; DB 3; Length 6253;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGGCCGACCAAGGTGCC 60  
 Db 19 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGGCCGACCAAGGTGCC 78

Query Match 100.0%; Score 125; DB 3; Length 6142;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTACTGAGGCCGACCAAGGTGCC 60  
 Db 3288 TTGGCCATCCCTCTCGCGCTCGCTACTGAGGCCGACCAAGGTGCC 3229

Qy 61 CGACGCCGGCTTGGCGCTGCGTCACTGAGGCCGACCAAGGTGCC 120  
 Db 3228 CGACGCCGGCTTGGCGCTGCGTCACTGAGGCCGACCAAGGTGCC 3169

RESULT 20  
 US-08-893-327-15/c  
 Sequence 15, Application US/08893327  
 Patent No. 6020192  
 GENERAL INFORMATION:  
 APPLICANT: Zolotukhin, Sergei  
 APPLICANT: Hauswirth, William W.  
 APPLICANT: Muzyczka, Nicholas  
 TITLE OF INVENTION: Humanized Green Fluorescent Protein  
 NUMBER OF SEQUENCES: 20  
 ADDRESSER: Arnold, White & Durkee  
 STREET: P. O. Box 4433  
 CITY: Houston  
 STATE: TX  
 COUNTRY: USA  
 ZIP: 77210-4433  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/893, 327  
 FILING DATE:  
 CLASSIFICATION: 514  
 PRIORITY APPLICATION DATA:  
 PRIOR APPLICATION NUMBER: US 08/588, 201

RESULT 21  
 US-08-893-327-15/c  
 Sequence 15, Application US/08893327  
 Patent No. 6020192  
 GENERAL INFORMATION:  
 APPLICANT: Zolotukhin, Sergei  
 APPLICANT: Hauswirth, William W.  
 APPLICANT: Muzyczka, Nicholas  
 TITLE OF INVENTION: Humanized Green Fluorescent Protein  
 NUMBER OF SEQUENCES: 20  
 ADDRESSER: Arnold, White & Durkee  
 STREET: P. O. Box 4433  
 CITY: Houston  
 STATE: TX  
 COUNTRY: USA  
 ZIP: 77210-4433  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/893, 327  
 FILING DATE:  
 CLASSIFICATION: 514  
 PRIORITY APPLICATION DATA:  
 PRIOR APPLICATION NUMBER: US 08/588, 201

```

; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6253 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 988 . 1701
; US-08-893-327-15

; Query Match 100.0%; Score 125; DB 3; Length 6280;
; Best Local Similarity 100.0%; P-Value: 0.1e-24;
; Mismatches 0; Indels 0; Gaps 0;
; Matches 125; Conservative 0;
; Query 1 TTGGCCCACTCCCTCTCGGGCGCTACTGAGGCCGGGACAAAGGTGCC 60
; Db 19 TTGGCCCACTCCCTCTCGGGCGCTACTGAGGCCGGGACAAAGGTGCC 78
; Db 19 TTGGCCCACTCCCTCTCGGGCGCTACTGAGGCCGGGACAAAGGTGCC 78

; Query Match 100.0%; Score 125; DB 3; Length 6253;
; Best Local Similarity 100.0%; P-Value: 0.1e-24;
; Mismatches 0; Indels 0; Gaps 0;
; Matches 125; Conservative 0;
; Query 61 CGAGGCCGGGCTTGCCGGGGCCCTAGTAGCCGGGAGAGGGAGTG 120
; Db 79 CGAGGCCGGGCTTGCCGGGGCCCTAGTAGCCGGGAGAGGGAGTG 138
; Db 139 GCCRA 143

; RESULT 23
; US-08-893-327-17/C
; Sequence 17, Application US/08893327
; Patent No. 6020192
; GENERAL INFORMATION:
; APPLICANT: Zolotukhin, Sergei W.
; APPLICANT: Hauswirth, William W.
; TITLE OF INVENTION: Humanized Green Fluorescent Protein
; TITLE OF INVENTION: Genes and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4413
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,327
; FILING DATE: 2001-04-13
; CLASSIFICATION: 514
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,327
; FILING DATE: 2001-04-13
; ATTORNEY/AGENT INFORMATION:
; NAME: Kitchell, Barbara S.
; REGISTRATION NUMBER: 33,928
; REFERENCE/DOCKET NUMBER: UPLA:062\KIT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-6799
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 988 . 1728
; Query Match 100.0%; Score 125; DB 3; Length 6280;
; Best Local Similarity 100.0%; P-Value: 0.1e-24;
; Mismatches 0; Indels 0; Gaps 0;
; Matches 125; Conservative 0;
; Query 1 TTGGCCCACTCCCTCTCGGGCGCTACTGAGGCCGGGACAAAGGTGCC 60

```



GENERAL INFORMATION:  
 APPLICANT: FLOTTE, TERENCE R.  
 APPLICANT: SONG, SITHONG  
 APPLICANT: BYRNE, BARRY J.  
 APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 FILE REFERENCE: 4300\_011800  
 CURRENT APPLICATION NUMBER: US/09/299,141  
 CURRENT FILING DATE: 1999-04-23  
 EARLIER APPLICATION NUMBER: 60/083, 025  
 EARLIER FILING DATE: 1998-04-24  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 1  
 LENGTH: 6565  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT  
 US-09-299-141-1

Query Match 100.0%; Score 125; DB 3; Length 6565;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTGCGTCACTGAGCCGGGACCAAAAGGTCCC 60  
 Db 19 TTGGCCATCCCTCTGGCGCTGCGTCACTGAGCCGGGACCAAAAGGTCCC 78  
 Qy 61 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 120  
 Db 79 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 138

Qy 121 GCCA 125  
 Db 139 GCCA 143

RESULT 27  
 Sequence 1, Application US/09299141  
 Patent No. 6461606  
 GENERAL INFORMATION:  
 APPLICANT: FLOTTE, TERENCE R.  
 APPLICANT: SONG, SITHONG  
 APPLICANT: BYRNE, BARRY J.  
 APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 FILE REFERENCE: 4300\_011800  
 CURRENT APPLICATION NUMBER: US/09/299,141  
 CURRENT FILING DATE: 1999-04-23  
 EARLIER APPLICATION NUMBER: 60/083, 025  
 EARLIER FILING DATE: 1998-04-24  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 1  
 LENGTH: 6565  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT  
 US-09-299-141-1

Query Match 100.0%; Score 125; DB 3; Length 6565;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTGCGTCACTGAGCCGGGACCAAAAGGTCCC 60  
 Db 18 TTGGCCACTCCCTCTGGCGCTGCGTCACTGAGCCGGGACCAAAAGGTCCC 77  
 Qy 61 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 120  
 Db 78 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 137

Qy 121 GCCA 125  
 Db 138 GCCA 142

RESULT 28  
 Sequence 6, Application US/09299141  
 Patent No. 6461606  
 GENERAL INFORMATION:  
 APPLICANT: FLOTTE, TERENCE R.  
 APPLICANT: SONG, SITHONG  
 APPLICANT: BYRNE, BARRY J.  
 APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 FILE REFERENCE: 4300\_011800  
 CURRENT APPLICATION NUMBER: US/09/299,141  
 CURRENT FILING DATE: 1999-04-23  
 EARLIER APPLICATION NUMBER: 60/083, 025  
 CURRENT FILING DATE: 1998-04-24  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 6  
 LENGTH: 6714  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 US-09-299-141-6

Query Match 100.0%; Score 125; DB 3; Length 6714;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTGCGTCACTGAGCCGGGACCAAAAGGTCCC 60  
 Db 18 TTGGCCACTCCCTCTGGCGCTGCGTCACTGAGCCGGGACCAAAAGGTCCC 77  
 Qy 61 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 120  
 Db 78 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 137

Qy 121 GCCA 125  
 Db 138 GCCA 142

RESULT 29  
 Sequence 6, Application US/09299141  
 Patent No. 6461606  
 GENERAL INFORMATION:  
 APPLICANT: FLOTTE, TERENCE R.  
 APPLICANT: SONG, SITHONG  
 APPLICANT: BYRNE, BARRY J.  
 APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 FILE REFERENCE: 4300\_011800  
 CURRENT APPLICATION NUMBER: US/09/299,141  
 CURRENT FILING DATE: 1999-04-23  
 EARLIER APPLICATION NUMBER: 60/083, 025  
 CURRENT FILING DATE: 1998-04-24  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 6  
 LENGTH: 6714  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 US-09-299-141-6/c

Query Match 100.0%; Score 125; DB 3; Length 6565;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTGCGTCACTGAGCCGGGACCAAAAGGTCCC 60  
 Db 3712 TTGGCCATCCCTCTGGCGCTGCGTCACTGAGCCGGGACCAAAAGGTCCC 3653  
 Qy 61 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 120  
 Db 61 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 120  
 Qy 121 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 120  
 Db 138 CGACGCCGGGCTTGC CGGGGGCTCAGTGAAGGCCAGGGCAGAGGGACTG 120

OTHER INFORMATION: p43CB-AT  
 US-09-299-141-6

Query Match Score 100.0%; Score 125; DB 3; Length 6714;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO 9

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGGGGCCACCAAAAGGTGCC 60  
 Db 3860 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGGGGCCACCAAAAGGTGCC 3801

Qy 61 CGACGCCGGCTTTCGGGGCTCAGTGAGGAGGAGTG 120  
 Db 3800 CGACGCCGGCTTTCGGGGCTCAGTGAGGAGGAGTG 3740

Qy 121 GCCAA 125  
 Db 3740 GCCAA 3736

RESULT 30  
 US-09-299-141-9

Sequence 9, Application US/09299141

Patent No. 6461606

GENERAL INFORMATION:

APPLICANT: FLOTTE, TERENCE R.  
 APPLICANT: SONG, SIHONG  
 APPLICANT: BYRNE, BARRY J.  
 APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 FILE REFERENCE: 4300.01100

CURRENT APPLICATION NUMBER: US/09/299.141  
 CURRENT FILING DATE: 1999-04-23  
 EARLIER APPLICATION NUMBER: 60/083, 025  
 EARLIER FILING DATE: 1998-04-24  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 9

LENGTH: 6924

TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE: OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 OTHER INFORMATION: PatentIn Ver. 2.0  
 OTHER INFORMATION: p43mENC-AT  
 US-09-299-141-9

Query Match Score 100.0%; Score 125; DB 3; Length 6924;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO 9

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGGGGCCACCAAAAGGTGCC 60  
 Db 18 TTGGCCACTCCCTCTCGCGCTCGCTCGTCACTGAGGGGCCACCAAAAGGTGCC 77

Qy 61 CGACGCCGGCTTTCGGGGCTCAGTGAGGAGGAGTG 120  
 Db 78 CGACGCCGGCTTTCGGGGCTCAGTGAGGAGGAGTG 137

Qy 121 GCCAA 125  
 Db 138 GCCAA 142

RESULT 31  
 US-09-299-141-9/c

Sequence 9, Application US/09299141

Patent No. 6461606

GENERAL INFORMATION:

APPLICANT: SONG, SIHONG  
 APPLICANT: BYRNE, BARRY J.  
 APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY





Db 4141 CGACGCCCGGCTTGGCGGCCCTCACTGAGCGAGGGATGC 4082  
 Qy 121 GCCAA 125  
 Db 4081 GCCAA 4077

RESULT 40  
 US-09-299-141-2  
 ; Sequence 2, Application US/09299141  
 ; Patent No. 661606  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SHIONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; CURRENT APPLICATION NUMBER: US/09/299,141  
 ; CURRENT FILING DATE: 1999-04-23  
 ; EARLIER APPLICATION NUMBER: 60/083,025  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 7405  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: PLASMID B-AT  
 US-09-299-141-2

Query Match 100.0%; Score 125; DB 3; Length 7405;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 19 TTGGCCACATCCCTCTGGCGCTCACTGAGGCCGACCAAGGTGCC 60  
 Qy 1 TTGGCCACATCCCTCTGGCGCTCACTGAGGCCGACCAAGGTGCC 60  
 Db 19 TTGGCCACATCCCTCTGGCGCTCACTGAGGCCGACCAAGGTGCC 78  
 Qy 61 CGAGGCCCGGCTTGCCTGGCGGCCCTAGTGAGGCCGAGGGACTG 120  
 Db 79 CGAGGCCCGGCTTGCCTGGCGGCCCTAGTGAGGCCGAGGGACTG 138

Qy 121 GCCAA 125  
 Db 139 GCCAA 143

RESULT 41  
 US-09-299-141-2/c  
 ; Sequence 2, Application US/09299141  
 ; Patent No. 6461606  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SHIONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; CURRENT APPLICATION NUMBER: US/09/299,141  
 ; CURRENT FILING DATE: 1999-04-23  
 ; EARLIER APPLICATION NUMBER: 60/083,025  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 7405  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: PLASMID B-AT

RESULT 42  
 US-09-299-141-5  
 ; Sequence 5, Application US/09299141  
 ; Patent No. 6461606  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SHIONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; FILE REFERENCE: 4300.011800  
 ; CURRENT APPLICATION NUMBER: US/09/299,141  
 ; CURRENT FILING DATE: 1999-04-23  
 ; EARLIER APPLICATION NUMBER: 60/083,025  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 5  
 ; LENGTH: 7492  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT-1N  
 US-09-299-141-5

Query Match 100.0%; Score 125; DB 3; Length 7492;  
 Best Local Similarity 100.0%; Pred. No. 1e-24;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 6279 TTGGCCACATCCCTCTGGCGCTCACTGAGGCCGACCAAGGTGCC 60  
 Qy 1 TTGGCCACATCCCTCTGGCGCTCACTGAGGCCGACCAAGGTGCC 60  
 Db 6339 CGAGGCCCGGCTTGCCTGGCGGCCCTAGTGAGGCCGAGGGACTG 120  
 Qy 121 GCCAA 125  
 Db 6399 GCCAA 6403

RESULT 43  
 US-09-299-141-5/c  
 ; Sequence 5, Application US/09299141  
 ; Patent No. 6461606  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SHIONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; FILE REFERENCE: 4300.011800  
 ; CURRENT APPLICATION NUMBER: US/09/299,141

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; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 5
; LENGTH: 7492
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: Description of Artificial Sequence:p43C-AT-IN
; US-09-299-141-5
Query Match 100.0%; Score 125; DB 3; Length 7492;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGGCGCTCCTGGCTCAC TGAGGGCGGCACCAAGGTGCC 60
Db 3444 TTGGCCACTCCCTCTGGGCGCTCCTGGCTCAC TGAGGGCGGCACCAAGGTGCC 3385
Qy 61 CGACGCCGGGGTTCGGGGCTCACTGAGCGAGGGAGTG 120
Db 3384 CGACGCCGGGGCTTCGGGGCTCACTGAGCGAGGGAGTG 3325
Qy 121 GCCAA 125
Db 3324 GCCAA 3320
; RESULT 44
; US-09-770-315-2
; Sequence 2, Application US/09770315
; Patent No. 6429001
; GENERAL INFORMATION:
; APPLICANT: Chiron Corporation
; TITLE OF INVENTION: Recombinant AAV Packaging Systems
; FILE REFERENCE: 20263-501
; CURRENT APPLICATION NUMBER: US/09/770,315
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 60/178,536
; PRIOR FILING DATE: 2000-01-16
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 2
; LENGTH: 8698
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE: OTHER INFORMATION: recombinant DNA
; US-09-770-315-2
Query Match 100.0%; Score 125; DB 3; Length 8698;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGCGCTCCTGGCTCAC TGAGGGCGGCACCAAGGTGCC 60
Db 1 TTGGCCACTCCCTCTGGCGCTCCTGGCTCAC TGAGGGCGGCACCAAGGTGCC 60
Qy 61 CGACGCCGGGGCTTCGGGGCTCACTGAGCGAGGGAGTG 120
Db 61 CGACGCCGGGGCTTCGGGGCTCACTGAGCGAGGGAGTG 120
Qy 121 GCCAA 125
Db 121 GCCAA 125
; RESULT 45
; US-09-276-625-4
; Sequence 4, Application US/09276625
; Patent No. 6316192
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 4
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p81
; US-09-276-625-4
Query Match 98.7%; Score 123.4; DB 3; Length 272;
Best Local Similarity 99.2%; Pred. No. 2.3e-24;
Matches 124; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGGCGCTCCTGGCTCAC TGAGGGCGGCACCAAGGTGCC 60
Db 69 TTGGCCACTCCCTCTGGGCGCTCCTGGCTCAC TGAGGGCGGCACCAAGGTGCC 124
Qy 61 CGACGCCGGGGCTTCGGGGCTCACTGAGCGAGGGAGTG 122
Db 129 CGACGCCGGGGCTTCGGGGCTCACTGAGCGAGGGAGTG 184
Qy 121 GCCAA 125
Db 189 GCCAA 193
; RESULT 46
; US-09-394-110A-1/c
; Sequence 1, Application US/09394110A
; Patent No. 6451594
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Wang, Yibin
; APPLICANT: Evans, Sylvia
; TITLE OF INVENTION: Recombinant Adenovirus for Tissue Specificity
; FILE REFERENCE: 6627-PA8045
; CURRENT APPLICATION NUMBER: US/09/394,110A
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 1
; LENGTH: 174
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
; US-09-394-110A-1
Query Match 98.4%; Score 123; DB 3; Length 174;
Best Local Similarity 100.0%; Pred. No. 2.9e-24;
Matches 123; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGCGCTCCTGGCTCAC TGAGGGCGGCACCAAGGTGCC 60
Db 123 TTGGCCACTCCCTCTGGCGCTCCTGGCTCAC TGAGGGCGGCACCAAGGTGCC 60
Qy 61 CGACGCCGGGGCTTCGGGGCTCACTGAGCGAGGGAGTG 120
Db 61 CGACGCCGGGGCTTCGGGGCTCACTGAGCGAGGGAGTG 120
Qy 121 GCCAA 125
Db 121 GCCAA 125
; RESULT 47
; US-08-395-221-1
; Sequence 4, Application US/09276625
; Patent No. 6316192

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Sequence 1, Application US/08305221
Patent No. 5834441
GENERAL INFORMATION:
APPLICANT: APPLIED IMMUNE SCIENCES, INC.
APPLICANT: PHILIP, RAMILA
APPLICANT: LEBROWSKI, JANE
TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL (A)
TITLE OF INVENTION: LIPOSOMES
TITLE OF INVENTION: AND METHODS RELATED THERE
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: HELDER, BHRMAN, WHITE & MCALIFFE
STREET: 333 BUSH STREET
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104-2878
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/305, 221
FILING DATE: 12-SEP-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/1120, 605
FILING DATE: 13-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: LITHGOW, TIMOTHY J.
REGISTRATION NUMBER: US 36,856
REFERENCE/DOCKET NUMBER: 12414-0163
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-772-6000
TELEFAX: 415-772-6368
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5585 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
PUBLICATION INFORMATION:
DOCUMENT NUMBER: PCT/US94/09774
FILING DATE: 13-SEP-1994
US-08-305-221-1

Query Match 97.4%; Score 121.8; DB
Best Local Similarity 98.4%; Pred. No. 7.3e-24
Matches 123; Conservative 0; Mismatches 2
Qy 1 TTGGCCACTCCCTCTGGCGCGCTGCTGCTACTG
Db 46 TTGGCCACTCCCTCTGGCGCGCTGCTGCTACTG
Qy 61 CGACGCCGGGGCTTGCCTGGGGCGCTGAGTGGCG
Db 106 CGACGCCGGGGCTTGCCTGGGGCGCTGAGTGGCG
Qy 121 GCCAA 125
Db 166 GCCAA 170

```

Lebkowski, Jane S.  
 TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL LIPOSOMES AND  
 THEIR USE IN TRANSFECTING DENDRITIC CELLS TO STIMULATE  
 SPECIFIC IMMUNITY  
 NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS: Alexis Barron, Esq.  
 STREET: Suite 2600 Aramax Tower, 1101 Market Street  
 CITY: Philadelphia  
 STATE: PA  
 ZIP: 19107  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY diskable  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/000, 003A  
 FILING DATE: 15-Jun-1998  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US96/12012  
 FILING DATE: 19-JUL-1996  
 APPLICATION NUMBER: US 60/001, 312  
 FILING DATE: 21-JUL-1995  
 APPLICATION NUMBER: US 60/007, 184  
 FILING DATE: 01-NOV-1995  
 APPLICATION NUMBER: US 08/566, 286  
 FILING DATE: 01-DEC-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Barron, Alexis B.  
 REGISTRATION NUMBER: 22, 702  
 REFERENCE/DOCKET NUMBER: 20, 846-K USA  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (215) 923-4466  
 TELEFAX: (215) 923-2189  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 565 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: circular  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1565..2035  
 OTHER INFORMATION: /product= "Residues 1565 to 1579 rat insulin  
 signal peptide; residues 1580 to 1582 linker;  
 residues 1583 to 2035 human IL-2"  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: 1..44  
 OTHER INFORMATION: /product= "Bluescript KS II +  
 cloning vector"  
 FEATURE:  
 NAME/KEY: promoter  
 LOCATION: 45..239  
 OTHER INFORMATION: /functions= "Left terminal region of  
 adeno-associated virus"  
 FEATURE:  
 NAME/KEY: promoter  
 LOCATION: 293..1075  
 OTHER INFORMATION: /functions= "CMV promoter"  
 FEATURE:  
 NAME/KEY: iDNA  
 LOCATION: 1079..11264  
 OTHER INFORMATION: /functions= "Adeno virus major late  
 intervening sequence"  
 FEATURE:

NAME/KEY: idNA  
LOCATION: 1269..1357  
OTHER INFORMATION: /Function= "Mouse immunoglobulin intervening sequence"

FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 2085..2471  
OTHER INFORMATION: /Standard\_name= "SV40 polyadenylation signal"

FEATURE:  
NAME/KEY: LTR  
LOCATION: 2579..2762  
OTHER INFORMATION: /Function= "right terminal region of adeno-associated virus"

FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 2763..585  
OTHER INFORMATION: /product= "Bluescript KS II + cloning vector"

FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 2039..2071  
OTHER INFORMATION: /function= "3' untranslated region of human IL-2"

SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
us-09-000-003a-1

Query Match 97.4%; Score 121.8; DB 4; Length 559;  
Best Local Similarity 98.4%; Pred. No. 7.3e-24;  
Matches 123; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TGGCCACTCCCTCTCGCGCTCGCTGCTGTCAGTGGGGGAGGTGCC 60  
Db 46 CGACGCCACTCCCTCTCGCGCTCGCTGCTGTCAGTGGGGGAGGTGCC 105  
Qy 61 CGACGCCGGGGCTTGGCGGGCTCTGGGCTCTGGGCTCTGGGAGGTGCC 120  
Db 106 CGACGCCGGGGCTTGGCGGGCTCTGGGCTCTGGGAGGTGCC 165  
Qy 121 GCCA 125  
Db 166 GCAA 170

RESULT 50  
US-07-989-841A-6/C  
; Sequence 6, Application US/07989841A  
; Patent No. 5478745  
; GENERAL INFORMATION:  
; APPLICANT: Samulski, R. J.  
; TITLE OF INVENTION: Recombinant Viral Vector System  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/989,841A  
; FILING DATE: On even date herewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A  
 REGISTRATION NUMBER: 30,742  
 REFERENCE/DOCKET NUMBER: 6636-013  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEX: (212) 669-8864/9741  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MOLECULE TYPE: DNA (genomic)

us-07-989-801A-6

Query Match 96.2%; Score 120.2; DB 1; Length 145;  
 Best Local Similarity 97.6%; Pred. No. 1.6e-23; Indels 0; Gaps 0;  
 Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 52  
 US-08-440-738A-6/C  
 / Sequence 6, Application US/08440738A  
 / Patent No. 6057152  
 / GENERAL INFORMATION:  
 / APPLICANT: Samulski, R.  
 / INVENTION: Xiao, X.  
 / TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM  
 / FILE REFERENCE: 6336-027  
 / CURRENT APPLICATION NUMBER: US/08/471,914A  
 / CURRENT FILING DATE: 1995-06-06  
 / EARLIER APPLICATION NUMBER: 08/440,738  
 / EARLIER FILING DATE: 1995-05-15  
 / NUMBER OF SEQ ID NOS: 13  
 / SOFTWARE: PatentIn Ver. 2.0  
 / SEQ ID NO: 6  
 / LENGTH: 145  
 / TYPE: DNA  
 / ORGANISM: adeno-associated virus  
 US-08-471-914-6

Query Match 96.2%; Score 120.2; DB 3; Length 145;  
 Best Local Similarity 97.6%; Pred. No. 1.6e-23; Indels 0; Gaps 0;  
 Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 51  
 US-08-440-738A-6/C  
 / Sequence 6, Application US/08440738A  
 / Patent No. 5863305  
 / GENERAL INFORMATION:  
 / APPLICANT: Samulski, R. J.  
 / INVENTION: Xiao, X.  
 / TITLE OF INVENTION: Recombinant Viral Vector System  
 / NUMBER OF SEQUENCES: 6  
 / CORRESPONDENCE ADDRESS:  
 / ADDRESSEE: Penne & Edmonds  
 / STREET: 1155 Avenue of the Americas  
 / CITY: New York  
 / STATE: New York  
 / COUNTRY: U.S.A.  
 / ZIP: 10036-2711  
 / COMPUTER READABLE FORM:  
 / MEDIUM TYPE: Floppy disk  
 / COMPUTER: IBM PC compatible  
 / OPERATING SYSTEM: PC-DOS/MS-DOS  
 / SOFTWARE: PatentIn Release #1.0, Version #1.25  
 / CURRENT APPLICATION DATA:  
 / APPLICATION NUMBER: US/08/440,738A  
 / FILING DATE: May 15, 1995  
 / CLASSIFICATION: 435  
 / ATTORNEY/AGENT INFORMATION:  
 / NAME: Coruzzi, Laura A  
 / REGISTRATION NUMBER: 30,742  
 / REFERENCE/DOCKET NUMBER: 6636-022  
 / TELECOMMUNICATION INFORMATION:  
 / TELEPHONE: (212) 790-9090  
 / TELEX: 66141 PENNIE  
 / INFORMATION FOR SEQ ID NO: 6:  
 / SEQUENCE CHARACTERISTICS:  
 / LENGTH: 145 base pairs  
 / TYPE: nucleic acid  
 / STRANDEDNESS: single  
 / TOPOLOGY: unknown  
 / MOLECULE TYPE: DNA (genomic)

us-08-440-738A-6

Query Match 96.2%; Score 120.2; DB 2; Length 145;  
 Best Local Similarity 97.6%; Pred. No. 1.6e-23; Indels 0; Gaps 0;  
 Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 52  
 US-08-471-914-6/C  
 / Sequence 6, Application US/08440738A  
 / Patent No. 6057152  
 / GENERAL INFORMATION:  
 / APPLICANT: Samulski, R.  
 / INVENTION: Xiao, X.  
 / TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM  
 / FILE REFERENCE: 6336-027  
 / CURRENT APPLICATION NUMBER: US/08/471,914A  
 / CURRENT FILING DATE: 1995-06-06  
 / EARLIER APPLICATION NUMBER: 08/440,738  
 / EARLIER FILING DATE: 1995-05-15  
 / NUMBER OF SEQ ID NOS: 13  
 / SOFTWARE: PatentIn Ver. 2.0  
 / SEQ ID NO: 6  
 / LENGTH: 145  
 / TYPE: DNA  
 / ORGANISM: adeno-associated virus  
 US-08-471-914-6

Query Match 96.2%; Score 120.2; DB 3; Length 145;  
 Best Local Similarity 97.6%; Pred. No. 1.6e-23; Indels 0; Gaps 0;  
 Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 53  
 US-09-276-625-6  
 / Sequence 6, Application US/09276625  
 / Patent No. 6416392  
 / GENERAL INFORMATION:  
 / APPLICANT: Engelhardt, John F.  
 / INVENTION: Adeno-associated virus vectors  
 / FILE REFERENCE: 875\_007US1  
 / CURRENT APPLICATION NUMBER: US/09/276,625  
 / CURRENT FILING DATE: 1999-03-25  
 / PRIOR APPLICATION NUMBER: US 60/086,166  
 / PRIOR FILING DATE: 1998-05-20  
 / NUMBER OF SEQ ID NOS: 13  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 6

LENGTH: 272  
 TYPE: DNA  
 ORGANISM: AAV circular intermediate, clone p1202  
 US-09-276-625-6

Query Match 94.9%; Score 118.6; DB 3; Length 272;  
 Best Local Similarity 96.8%; Pred. No. 4.5e-23;  
 Matches 121; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCCTCGTCGCTCACTGAGGGGGACCAAGGTGCC 60  
 Db 69 TTGGCCACTCCCTCTGGCCCTCGTCGCTCACTGAGGGGGACCAAGGTGCC 128

Qy 61 CGACGCCGGCTTGCCTGGCGCTCACTGAGGGAGCAAGGGAGTG 120  
 Db 129 CGACGCCGGCTTGCCTGGCGCTCACTGAGGGAGTG 188

Qy 121 GCCAA 125  
 Db 189 GCCAA 193

RESULT 54  
 US-09-394-110A-2  
 Sequence 2, Application US/09394110A  
 Patent No. 6451594  
 GENERAL INFORMATION:  
 APPLICANT: Chien, Kenneth  
 APPLICANT: Wang, Yibin  
 APPLICANT: Evans, Sylvia  
 TITLE OF INVENTION: No. 6451594 el Recombinant Adenovirus for Tissue Specific Express  
 FILE REFERENCE: 6227 PA8045  
 CURRENT APPLICATION NUMBER: US/09/394,110A  
 CURRENT FILING DATE: 1999-09-10  
 NUMBER OF SEQ ID NOS: 3  
 SOFTWARE: Patentin version 3.0  
 SEQ ID NO: 2  
 LENGTH: 183  
 TYPE: DNA  
 ORGANISM: adeno-associated virus 2  
 US-09-394-110A-2

Query Match 93.6%; Score 117; DB 3; Length 183;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-22;  
 Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCCCTCGTCGCTCACTGAGGGGGACCAAGGTGCC 60  
 Db 67 TTGGCCACTCCCTCTGGCCCTCGTCGCTCACTGAGGGGGACCAAGGTGCC 126

Qy 61 CGACGCCGGCTTGCCTGGCGCTCACTGAGGGAGCAAGGGAGGA 117  
 Db 127 CGACGCCGGCTTGCCTGGCGCTCACTGAGGGAGCAAGGGAGGA 183

RESULT 55  
 US-08-910-647-1  
 Sequence 1, Application US/08910647  
 Patent No. 6251433  
 GENERAL INFORMATION:  
 APPLICANT: Zuckermann et al.  
 TITLE OF INVENTION: Compositions and Methods for  
 Polynucleotide Delivery  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENT ADDRESS:  
 ADDRESS: Chiron Corporation  
 STREET: 4560 Horton Street  
 CITY: Emeryville  
 STATE: California  
 COUNTRY: U.S.A.  
 ZIP: 94608-2916  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/620,925  
 FILING DATE: 21-Jul-2000  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/910,647  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Fujita, Sharon M.  
 REGISTRATION NUMBER: 38,459  
 REFERENCE/DOCKET NUMBER: 1218.002  
 TELEPHONE: (510) 923-2706  
 TELEFAX: (510) 655-3542  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 SEQUENCE: nucleic acid  
 LENGTH: 9600 base pairs  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

RESULT 56  
 US-09-620-925-1  
 Sequence 1, Application US/09620925  
 Patent No. 6468986  
 GENERAL INFORMATION:  
 APPLICANT: Zuckermann et al.  
 TITLE OF INVENTION: Compositions and Methods for  
 Polynucleotide Delivery  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENT ADDRESS:  
 ADDRESS: Chiron Corporation  
 STREET: 4560 Horton Street  
 CITY: Emeryville  
 STATE: California  
 COUNTRY: U.S.A.  
 ZIP: 94608-2916  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/620,925  
 FILING DATE: 21-Jul-2000  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/910,647  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Fujita, Sharon M.  
 REGISTRATION NUMBER: 38,459  
 REFERENCE/DOCKET NUMBER: 1218.002  
 TELEPHONE: (510) 923-2706  
 TELEFAX: (510) 655-3542  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:



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; LENGTH: 4999
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: Synthetic
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; US-09-470-618-14

Query Match 88.0%; Score 110; DB 3; Length 4999;
Best Local Similarity 100.0%; Pred. No. 1e-20;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTCGCCCTCGCTCGTCACTGAGCCGGGGAACCAAGGTGCC 60
Db 125 TTGGCCACTCCCTCTCGCCCTCGCTCGTCACTGAGCCGGGGAACCAAGGTGCC 66

Query Match 88.0%; Score 110; DB 3; Length 4999;
Best Local Similarity 100.0%; Pred. No. 1e-20;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 61 CGACGCCGGGTTTGGCCGGCGGCTCACTGAGCGAGCGAGCGAG 110
Db 65 CGACGCCGGGCTTGGCCGGCTCACTGAGCGAGCGAGCGAG 16

RESULT 60
US-09-364-862-14
Sequence 1.4, Application US/09364862
Patent No. 6221349
GENERAL INFORMATION:
APPLICANT: Couto, Linda B.
APPLICANT: Colosi, Peter C.
TITLE OF INVENTION: ADENO-ASSOCIATED VECTORS FOR EXPRESSION OF FACTOR VIII
TITLE OF INVENTION: BY TARGET
TITLE OF INVENTION: CELLS
FILE REFERENCE: AVIGEN-0743
CURRENT APPLICATION NUMBER: US/09/364,862
CURRENT FILING DATE: 1999-07-30
EARLIER APPLICATION NUMBER: 60/125,974
EARLIER FILING DATE: 1999-03-24
EARLIER APPLICATION NUMBER: 60/104,994
EARLIER FILING DATE: 1998-10-20
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 14
LENGTH: 4999
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: Synthetic
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; US-09-364-862-14

Query Match 88.0%; Score 110; DB 3; Length 4999;
Best Local Similarity 100.0%; Pred. No. 1e-20;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTCGCCCTCGCTCGTCACTGAGCCGGGGAACCAAGGTGCC 60
Db 4875 TTGGCCACTCCCTCTCGCCCTCGCTCGTCACTGAGCCGGGGAACCAAGGTGCC 4934

Query Match 88.0%; Score 110; DB 3; Length 4999;
Best Local Similarity 100.0%; Pred. No. 1e-20;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 61 CGACGCCGGGTTTGGCCGGCTCACTGAGCGAGCGAGCGAG 110
Db 4935 CGACGCCGGGTTTGGCCGGCTCACTGAGCGAGCGAGCGAG 4984

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Search completed: July 5, 2005, 13:29:12  
 Job time : 100.278 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 486.556 Seconds

(without alignments)  
1869.194 Million call updates/sec

Title: US-10-620-039-1

Perfect score: 145

Sequence: 1 TTGGCCACACTCCCTCTGCG.....CTCCATCACTAGGGTTCCT 145

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 6313374 seqs, 3136092125 residues

Total number of hits satisfying chosen parameters: 12626748

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published\_Applications\_NA.\*

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6: /cgn2\_6/ptodata/1/pubpna/PCRTS\_PUBCOMB.seq:\*

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9: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Query	Match	Length	DB ID	Description
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2	145 100.0	145 20	US-10-877-029-1		Sequence 1, Appli
3	145 100.0	145 20	US-10-877-029-11		Sequence 11, Appli
4	145 100.0	145 21	US-10-551-756-12		Sequence 11, Appli
5	145 100.0	146 13	US-10-135-984-8		Sequence 9, Appli
6	145 100.0	165 9	US-09-782-378A-8		Sequence 10, Appli
7	145 100.0	165 13	US-10-054-665-7		Sequence 10, Appli

c 8	145 100.0	165 19	US-10-159-968-13	Sequence 13, Appli
c 9	145 100.0	170 19	US-10-669-641-3	Sequence 3, Appli
c 10	145 100.0	175 17	US-10-216-356-1	Sequence 1, Appli
c 11	145 100.0	207 15	US-10-023-208-58	Sequence 58, Appli
c 12	145 100.0	955 10	US-09-845-416-26	Sequence 26, Appli
c 13	145 100.0	955 10	US-09-845-416-26	Sequence 28, Appli
c 14	145 100.0	987 10	US-09-845-416-33	Sequence 33, Appli
c 15	145 100.0	987 10	US-09-845-416-33	Sequence 32, Appli
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c 18	145 100.0	4476 10	US-09-845-416-31	Sequence 31, Appli
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c 21	145 100.0	4498 10	US-09-845-416-30	Sequence 30, Appli
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c 23	145 100.0	4675 9	US-09-782-378A-2	Sequence 1, Appli
c 24	145 100.0	4675 15	US-10-240-198-1	Sequence 1, Appli
c 25	145 100.0	4675 15	US-10-291-583-7	Sequence 1, Appli
c 26	145 100.0	4675 19	US-10-127-129-2	Sequence 1, Appli
c 27	145 100.0	4679 9	US-09-804-898-1	Sequence 1, Appli
c 28	145 100.0	4679 9	US-09-945-681-10	Sequence 10, Appli
c 29	145 100.0	4679 13	US-10-038-972A-12	Sequence 12, Appli
c 30	145 100.0	4679 16	US-10-136-819-6	Sequence 6, Appli
c 31	145 100.0	4680 13	US-10-077-294-1	Sequence 1, Appli
c 32	145 100.0	4680 13	US-10-163-885-1	Sequence 1, Appli
c 33	145 100.0	4680 14	US-10-663-127-1	Sequence 1, Appli
c 34	145 100.0	4680 15	US-10-375-777-1	Sequence 1, Appli
c 35	145 100.0	4681 18	US-10-636-261-18	Sequence 18, Appli
c 36	145 100.0	4681 18	US-10-596-282-18	Sequence 18, Appli
c 37	145 100.0	4681 18	US-10-636-900-18	Sequence 18, Appli
c 38	145 100.0	4683 18	US-10-261-19	Sequence 19, Appli
c 39	145 100.0	4683 18	US-10-596-282-19	Sequence 19, Appli
c 40	145 100.0	4683 18	US-10-636-900-19	Sequence 19, Appli
c 41	145 100.0	4683 19	US-10-127-128-6	Sequence 2, Appli
c 42	145 100.0	4683 21	US-10-059-017-2	Sequence 2, Appli
c 43	145 100.0	4825 10	US-09-845-416-29	Sequence 29, Appli
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c 45	145 100.0	4848 10	US-09-045-416-35	Sequence 35, Appli
c 46	145 100.0	4966 10	US-09-845-416-28	Sequence 28, Appli
c 47	145 100.0	4966 10	US-09-845-416-28	Sequence 28, Appli
c 48	145 100.0	4990 10	US-09-045-416-34	Sequence 34, Appli
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c 54	145 100.0	5932 14	US-10-045-416-34	Sequence 4, Appli
c 55	145 100.0	5932 14	US-10-267-117-4	Sequence 4, Appli
c 56	145 100.0	6714 14	US-10-340-112-8	Sequence 6, Appli
c 57	145 100.0	6714 14	US-10-140-112-4	Sequence 6, Appli
c 58	145 100.0	6081 15	US-10-294-957-18	Sequence 18, Appli
c 59	145 100.0	6142 14	US-10-257-117-8	Sequence 1, Appli
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c 62	145 100.0	6714 14	US-10-267-117-6	Sequence 1, Appli
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c 65	145 100.0	6565 14	US-10-267-117-9	Sequence 9, Appli
c 66	145 100.0	6565 14	US-10-057-112-1	Sequence 10, Appli
c 67	145 100.0	6714 14	US-10-267-117-6	Sequence 11, Appli
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c 69	145 100.0	6714 14	US-10-040-112-6	Sequence 6, Appli
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c 72	145 100.0	6924 14	US-10-057-112-9	Sequence 9, Appli
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c 74	145 100.0	6924 14	US-10-267-117-10	Sequence 10, Appli
c 75	145 100.0	6924 14	US-10-267-117-10	Sequence 11, Appli
c 76	145 100.0	6924 14	US-10-267-117-11	Sequence 11, Appli
c 77	145 100.0	6924 14	US-10-267-117-11	Sequence 11, Appli
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c	83	145	100.0	6981	14	US-10-267-117-7	Sequence 7, Appli	c 156	110	75.9	3617	21	US-10-604-340-10
c	84	145	100.0	6981	14	US-10-267-117-7	Sequence 7, Appli	c 157	110	75.9	3617	21	US-10-604-340-10
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c	94	145	100.0	7405	14	US-10-340-112-2	Sequence 2, Appli	c 167	110	75.9	4999	9	US-09-740-211-14
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c	96	145	100.0	7492	14	US-10-267-117-5	Sequence 5, Appli	c 169	110	75.9	4999	13	US-10-007-968-14
c	97	145	100.0	7492	14	US-10-340-112-5	Sequence 5, Appli	c 170	110	75.9	6437	21	US-10-293-400-14
c	98	145	100.0	7492	14	US-10-340-112-5	Sequence 5, Appli	c 171	110	75.9	6437	21	US-10-604-340-3
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c	102	145	100.0	7944	13	US-10-095-718-1	Sequence 1, Appli	c 175	110	75.9	6437	21	US-10-604-340-1
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c	104	144	99.3	4848	9	US-09-845-416-35	Sequence 35, Appli	c 177	110	75.9	6437	21	US-10-604-340-3
c	105	144	99.3	7914	13	US-10-195-718-3	Sequence 3, Appli	c 178	110	75.9	7648	17	US-10-176-066-1
c	106	144	99.3	7914	13	US-10-681-910-3	Sequence 3, Appli	c 179	110	75.9	8092	17	US-10-176-066-2
c	107	144	99.3	7944	13	US-10-095-718-1	Sequence 1, Appli	c 180	110	75.9	8092	17	US-10-176-066-2
c	108	144	99.3	7944	13	US-10-095-718-1	Sequence 1, Appli	c 181	110	75.9	8092	17	US-10-176-066-2
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c	111	133	91.7	144	19	US-10-669-641-1	Sequence 1, Appli	c 184	110	75.9	9600	16	US-10-278-751-1
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c	115	123.4	85.7	272	13	US-10-054-665-6	Sequence 6, Appli	c 188	110	75.9	10398	9	US-09-242-977-1
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c	119	117.8	81.2	145	15	US-10-240-198-2	Sequence 2, Appli	c 192	110	75.9	11933	9	US-09-740-211-13
c	120	117.8	81.2	165	13	US-10-054-665-7	Sequence 7, Appli	c 193	110	75.9	11933	13	US-10-007-968-13
c	121	117.8	81.2	165	16	US-10-159-986-13	Sequence 6, Appli	c 194	110	75.9	11933	13	US-10-007-968-13
c	122	117.8	81.2	175	17	US-10-276-956-1	Sequence 1, Appli	c 195	110	75.9	11933	14	US-10-293-400-13
c	123	117.8	81.2	207	15	US-10-023-208-58	Sequence 58, Appli	c 196	110	75.9	11933	14	US-10-023-208-58
c	124	117.8	81.2	4675	9	US-09-782-378A-2	Sequence 1, Appli	c 197	109.8	75.7	174	18	US-10-362-903-2
c	125	117.8	81.2	4675	15	US-10-240-198-1	Sequence 2, Appli	c 198	109.6	75.6	4722	19	US-10-427-129-3
c	126	117.8	81.2	4675	15	US-10-240-198-1	Sequence 1, Appli	c 199	109	75.2	505	13	US-10-054-665-3
c	127	117.8	81.2	4675	15	US-10-291-533-7	Sequence 7, Appli	c 200	108	75.2	505	13	US-10-054-665-3
c	128	117.8	81.2	4675	19	US-10-427-129-2	Sequence 2, Appli	c 201	108.8	75.0	4721	15	US-10-291-533-7
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c	131	117.8	81.2	4679	13	US-10-038-972A-12	Sequence 12, Appli	c 204	108	74.5	5974	13	US-10-090-983-8
c	132	117.8	81.2	4679	16	US-10-136-819-6	Sequence 6, Appli	c 205	108	74.5	7557	9	US-09-770-315-3
c	133	117.8	80.7	174	18	US-10-362-906-6	Sequence 6, Appli	c 211	107.4	74.1	145	20	US-10-837-183-6
c	134	116.8	80.6	144	21	US-10-427-294-1	Sequence 13, Appli	c 213	107.4	74.1	4718	19	US-10-291-583-6
c	141	116.2	80.1	191	19	US-10-362-906-4	Sequence 4, Appli	c 214	107.4	74.1	4718	18	US-10-696-261-1
c	142	114.6	79.0	4661	18	US-10-596-261-18	Sequence 18, Appli	c 215	107.4	74.1	4718	18	US-10-696-282-1
c	143	114.6	79.0	4681	18	US-10-696-262-18	Sequence 18, Appli	c 216	107.4	74.1	4718	18	US-10-696-900-1
c	144	114.6	79.0	4681	18	US-10-696-260-18	Sequence 18, Appli	c 217	107.4	74.1	4718	19	US-10-427-129-1
c	145	114.4	78.9	300	14	US-10-1054-665-5	Sequence 5, Appli	c 218	107.4	74.1	4718	21	US-10-959-017-4
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c	147	110.6	76.3	145	20	US-10-837-029-5	Sequence 5, Appli	c 220	105.8	73.0	4683	18	US-10-696-282-19
c	148	110.6	76.3	4680	15	US-10-1075-777-1	Sequence 3, Appli	c 221	105.8	73.0	4683	18	US-10-696-900-19
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c	153	110	75.9	3589	21	US-10-604-340-8	Sequence 8, Appli	c 226	100.8	69.5	4721	15	US-10-291-583-1

227	100.8	69.5	4767	19	US-10-427-129-4	Sequence 4, Appli
228	100.8	69.5	4767	21	US-10-950-017-5	Sequence 5, Appli
229	100.8	69.5	4768	10	US-10-294-747-1	Sequence 1, Appli
230	99.4	68.6	4718	15	US-10-291-583-6	Sequence 6, Appli
231	99.4	68.6	4718	18	US-10-696-261-1	Sequence 1, Appli
232	99.4	68.6	4718	18	US-10-696-282-1	Sequence 1, Appli
233	99.4	68.6	4718	18	US-10-696-900-1	Sequence 1, Appli
234	99.4	68.6	4718	19	US-10-427-129-1	Sequence 1, Appli
235	99.4	68.6	4718	21	US-10-959-017-3	Sequence 3, Appli
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237	97.8	67.4	145	9	US-09-782-378A-6	Sequence 6, Appli
238	97.8	67.4	145	20	US-10-837-029-1	Sequence 1, Appli
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241	97.8	67.4	146	13	US-10-135-984-8	Sequence 8, Appli
242	97.8	67.4	165	9	US-09-782-378A-8	Sequence 3, Appli
243	97.8	67.4	170	19	US-10-669-641-3	Sequence 6, Appli
244	96.2	66.3	4726	15	US-10-291-583-8	Sequence 8, Appli
245	96.2	66.3	4726	21	US-10-954-017-4	Sequence 4, Appli
246	91.4	63.0	125	10	US-09-234-747-6	Sequence 6, Appli
247	90.6	62.5	345	13	US-10-054-665-9	Sequence 9, Appli
248	89.4	61.7	169	18	US-10-362-906-5	Sequence 5, Appli
249	88	60.7	4768	10	US-09-234-747-1	Sequence 1, Appli
250	87.4	60.3	144	19	US-10-669-641-1	Sequence 1, Appli
251	86.8	59.9	7744	15	US-10-291-583-9	Sequence 14, Appli
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253	83.4	57.7	145	20	US-10-837-029-9	Sequence 6, Appli
254	82	56.6	82	14	US-10-026-671-6	Sequence 57, Appli
255	82	56.6	82	15	US-10-023-208-57	Sequence 57, Appli
256	82	56.6	115	15	US-10-033-208-9	Sequence 59, Appli
257	81.8	56.4	145	20	US-10-837-029-5	Sequence 5, Appli
258	78.4	54.1	4767	19	US-10-427-129-4	Sequence 4, Appli
259	78.4	54.1	4767	21	US-10-939-017-5	Sequence 5, Appli
260	78.4	54.1	7744	15	US-10-216-870-14	Sequence 14, Appli
261	78.4	54.1	7744	19	US-10-415-834-14	Sequence 14, Appli
262	77	53.1	125	10	US-09-234-747-6	Sequence 6, Appli
263	77	53.1	145	20	US-10-837-029-6	Sequence 6, Appli
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265	70.6	48.7	88	16	US-10-159-968-14	Sequence 14, Appli
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267	68	46.9	70	16	US-10-159-968-15	Sequence 15, Appli
268	68	46.9	88	16	US-10-159-968-14	Sequence 14, Appli
269	64.6	44.6	169	18	US-10-326-906-5	Sequence 5, Appli
270	64.6	44.6	382	9	US-09-925-298-390	Sequence 390, App
271	64.6	44.6	382	14	US-10-080-376-47	Sequence 390, App
272	64.4	44.4	129	10	US-09-254-747-20	Sequence 20, App
273	63.4	43.7	310	13	US-10-054-665-13	Sequence 13, App
274	63	43.4	63	9	US-09-792-630-47	Sequence 47, App
275	63	43.4	63	10	US-09-933-351-47	Sequence 47, App
276	63	43.4	63	13	US-10-326-906-390	Sequence 390, App
277	63	43.4	63	14	US-10-080-376-47	Sequence 16, App
278	63	43.4	63	14	US-10-082-671-53	Sequence 53, App
279	63	43.4	63	15	US-10-097-100-47	Sequence 47, App
280	63	43.4	63	18	US-10-326-906-47	Sequence 10, App
281	63	43.4	382	9	US-09-925-298-390	Sequence 19, App
282	63	43.4	382	14	US-10-102-806-390	Sequence 20, App
283	61	41.1	61	16	US-10-159-968-16	Sequence 15, App
284	60.6	41.8	316	13	US-10-054-665-11	Sequence 13, App
285	59.8	41.2	276	13	US-10-054-665-10	Sequence 60, App
286	59.4	41.2	61	16	US-10-159-968-19	Sequence 59, App
287	56.6	39.0	129	10	US-09-234-747-20	Sequence 47, App
288	52.6	36.3	70	16	US-10-159-968-15	Sequence 53, App
289	52.2	36.0	310	13	US-10-054-665-13	Sequence 47, App
290	52	35.9	54	15	US-10-023-208-60	Sequence 67, App
291	50.8	35.0	115	15	US-10-023-208-59	Sequence 57, App
292	49.2	33.9	63	9	US-09-792-630-47	Sequence 6, App
293	49.2	33.9	63	10	US-09-933-351-47	Sequence 47, App
294	49.2	33.9	63	13	US-10-080-376-47	Sequence 53, App
295	49.2	33.9	63	14	US-10-082-671-53	Sequence 47, App
296	49.2	33.9	63	15	US-10-097-100-47	Sequence 47, App
297	49.2	33.9	63	15	US-10-023-208-47	Sequence 57, App
298	49.2	33.9	82	14	US-10-082-671-57	Sequence 57, App

Qy 1 TGGCCACTCCCTCTGGCCTCGTCGTCCTGCTGCGCTCGTCACTGAGGGGGACCAAGGTGCC 60 ; ORGANISM: adeno-associated virus 2  
 Db 1 TGGCCACTCCCTCTGGCCTCGTCGTCCTGCTGCGCTCGTCACTGAGGGGGACCAAGGTGCC 60 ; US-10-501-756-12

Qy 1 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ; Query Match 100.0%; Score 145; DB 21; Length 145;  
 Db 1 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ; Best Local Similarity 100.0%; Pred. No. 5.6e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCACTCCCTCTGGCTCGTCACTGAGGGGGACCAAGGTGCC 60 ;  
 Db 1 TTGGCACTCCCTCTGGCTCGTCACTGAGGGGGACCAAGGTGCC 60 ;  
 Qy 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Db 1 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Qy 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Db 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Qy 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Db 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;

RESULT 3  
 US-10-837-029-11  
 / Sequence 11, Application US/10837029  
 / Publication No. US20040248301A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Engelhardt, John F.  
 / TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES  
 / FILE REFERENCE: 875.105US1  
 / CURRENT APPLICATION NUMBER: US/10/837,029  
 / CURRENT FILING DATE: 2004-04-30  
 / PRIOR APPLICATION NUMBER: US 10/194,421  
 / PRIOR FILING DATE: 2002-07-12  
 / PRIOR APPLICATION NUMBER: US 60/305,204  
 / PRIOR FILING DATE: 2001-07-13  
 / NUMBER OF SEQ ID NOS: 11  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 11  
 / LENGTH: 145  
 / TYPE: DNA  
 / ORGANISM: Adeno-associated virus  
 US-10-837-029-11  
 / Query Match 100.0%; Score 145; DB 20; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 5.6e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCACTCCCTCTGGCTCGTCACTGAGGGGGACCAAGGTGCC 60 ;  
 Db 1 TTGGCACTCCCTCTGGCTCGTCACTGAGGGGGACCAAGGTGCC 60 ;  
 Qy 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Db 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Qy 121 CGACACTCATCACTAGGGTCTCT 145 ;  
 Db 121 CGACACTCATCACTAGGGTCTCT 145 ;

RESULT 4  
 US-10-501-756-12  
 / Sequence 12, Application US/10501756  
 / Publication No. US20050112765A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Chuan-Yuan, Li  
 / APPLICANT: Xiuwu, Zhang  
 / TITLE OF INVENTION: COMPLETE ADENOVIRUS-MEDIATED APPROACH  
 / FILE REFERENCE: 180/137  
 / CURRENT APPLICATION NUMBER: US/10/501,756  
 / CURRENT FILING DATE: 2004-07-16  
 / PRIOR APPLICATION NUMBER: US 60/349,532  
 / PRIOR FILING DATE: 2002-01-18  
 / NUMBER OF SEQ ID NOS: 22  
 / SOFTWARE: PatentIn version 3.2  
 / SEQ ID NO: 12  
 / LENGTH: 145  
 / TYPE: DNA

RESULT 5  
 US-10-135-984-8  
 / Sequence 8, Application US/10135984  
 / Publication No. US20020182295A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Matthew D. Weitzman  
 / APPLICANT: Anton J. Cathomen  
 / TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR  
 / REGULATORS OF ADENO-ASSOCIATED VIRUS (AAV)  
 / FILE REFERENCE: SALKINS, 041A  
 / CURRENT APPLICATION NUMBER: US/10/135,984  
 / CURRENT FILING DATE: 2002-08-05  
 / PRIORITY: 2001-08-05  
 / PRIORITY: 60/286951  
 / PRIORITY: 2001-04-27  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 8  
 / LENGTH: 146  
 / TYPE: DNA  
 / ORGANISM: adeno-associated virus  
 US-10-135-984-8  
 / Query Match 100.0%; Score 145; DB 13; Length 146;  
 Best Local Similarity 100.0%; Pred. No. 5.6e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCACTCCCTCTGGCTCGTCACTGAGGGGGACCAAGGTGCC 60 ;  
 Db 1 TTGGCACTCCCTCTGGCTCGTCACTGAGGGGGACCAAGGTGCC 60 ;  
 Qy 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Db 61 CGACGCCGGCTTTCGCGGGCTTCACTGAGGGGGACCAAGGTGCC 120 ;  
 Qy 121 CGACACTCATCACTAGGGTCTCT 145 ;  
 Db 121 CGACACTCATCACTAGGGTCTCT 145 ;

RESULT 6  
 US-09-782-378A-8  
 / Sequence 8, Application US/09782378A  
 / Patent No. US200102731A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Hearing, Patrick  
 / APPLICANT: Bahou, Nadie  
 / APPLICANT: Sandalon, Ziv  
 / APPLICANT: Gnaatenko, Dmitri  
 / TITLE OF INVENTION: Adenoviral Vectors  
 / FILE REFERENCE: STONY-B-04370  
 / CURRENT APPLICATION NUMBER: US/09/782,378A  
 / CURRENT FILING DATE: 2001-02-12  
 / PRIORITY: 60/237,747



RESULT 10  
 US-10-276-356-1/c  
 Sequence 1, Application US/10276356  
 Publication No. US2004029106A1  
 GENERAL INFORMATION:  
 APPLICANT: University of No. US20040029106Alth Carolina at Chapel Hill  
 APPLICANT: Samulski, R. Jude  
 APPLICANT: McCarty, Douglas M.  
 TITLE OF INVENTION: DUPLEXED PARVOVIRUS VECTORS  
 FILE REFERENCE: 5470-282  
 CURRENT APPLICATION NUMBER: US/10/276,356  
 CURRENT FILING DATE: 2001-05-31  
 PRIOR APPLICATION NUMBER: PCT/US01/17587  
 PRIOR FILING DATE: 2001-05-31  
 NUMBER OF SEQ ID NOS: 1  
 SOFTWARE: Patentin version 3.1  
 SEQ ID NO 1  
 LENGTH: 175  
 TYPE: DNA  
 FEATURE:  
 OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201  
 US-10-276-356-1

Query Match 100.0%; Score 145; DB 17; Length 175;  
 Best Local Similarity 100.0%; Pred. No. 5.4e-35; Mismatches 0; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Indels 0; Gaps 0;  
 US-10-023-208-58

Query Match 100.0%; Score 145; DB 15; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 5.3e-35; Mismatches 0; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Indels 0; Gaps 0;  
 US-09-845-416-26

Query Match 100.0%; Score 145; DB 10; Length 955;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-35; Mismatches 0; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Indels 0; Gaps 0;

RESULT 11  
 US-10-023-208-58  
 Sequence 58, Application US/10023208  
 Publication No. US20030124537A1  
 GENERAL INFORMATION:  
 APPLICANT: Li, Min  
 APPLICANT: Liu, Yuan-Ching  
 TITLE OF INVENTION: PROCARIOTIC LIBRARIES AND USES  
 FILE REFERENCE: A-70174-1/RT/RMS/RMK  
 CURRENT APPLICATION NUMBER: US/10/023,208  
 CURRENT FILING DATE: 2001-12-17  
 PRIOR APPLICATION NUMBER: US 60/256,163  
 PRIOR FILING DATE: 2000-12-14  
 NUMBER OF SEQ ID NOS: 63  
 SOFTWARE: Patentin version 3.1  
 LENGTH: 207  
 TYPE: DNA  
 FEATURE:  
 OTHER INFORMATION: synthetic enzyme attachment site sequence  
 US-10-023-208-58

Query Match 100.0%; Score 145; DB 15; Length 207;  
 Best Local Similarity 100.0%; Pred. No. 5.3e-35; Mismatches 0; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Indels 0; Gaps 0;

RESULT 12  
 US-09-845-416-26  
 Sequence 26, Application US/09845416  
 Publication No. US2003017132A1  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845,416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 65/200,777  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 36  
 SOFTWARE: Patentin Ver. 2.1  
 SEQ ID NO 26  
 LENGTH: 955  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-26

Query Match 100.0%; Score 145; DB 10; Length 955;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-35; Mismatches 0; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Indels 0; Gaps 0;

RESULT 13  
 US-09-845-416-26/c  
 Sequence 26, Application US/09845416  
 Publication No. US2003017132A1  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845,416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 65/200,777  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 36  
 SOFTWARE: Patentin Ver. 2.1  
 SEQ ID NO 26  
 LENGTH: 955  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-26

Query Match 100.0%; Score 145; DB 10; Length 955;  
 Best Local Similarity 100.0%; Pred. No. 4.3e-35; Mismatches 0; Indels 0; Gaps 0;



```

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match 100.0%; Score 145; DB 10; Length 4414;
Best Local Similarity 100.0%; Pred. No. 3.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 60
Db 4414 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 4355
Qy 1 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 60
Db 4476 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 4417
Qy 61 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 120
Db 4354 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 4295
Qy 61 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 120
Db 4416 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 4357
Qy 121 GCCAACTCATCATCACTAGGGTTCT 145
Db 4294 GCCAACTCATCATCACTAGGGTTCT 4270
Db 4356 GCCAACTCATCATCACTAGGGTTCT 4332

RESULT 18
US-09-845-416-31

Sequence 31, Application US/09845416
Publication No. US20030171312A1
GENERAL INFORMATION:
APPLICANT: XIAO, XIAO
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
TITLE OF INVENTION: THEREOF
FILE REFERENCE: DE1142
CURRENT APPLICATION NUMBER: US/09/845,416
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: 60/200,777
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 36
SEQ ID NO: 31
SOFTWARE: PatentIn Ver. 2.1
LENGTH: 4476
TYPE: DNA
ORGANISM: Homo sapiens
US-09-845-416-31

Query Match 100.0%; Score 145; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 60
Db 1 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 60
Qy 61 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 120
Db 61 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 120
Qy 121 GCCAACTCATCATCACTAGGGTTCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCT 145

RESULT 19
US-09-845-416-31/C
Sequence 31, Application US/09845416
Publication No. US20030171312A1
GENERAL INFORMATION:
APPLICANT: XIAO, XIAO
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
FILE REFERENCE: DE1142
CURRENT APPLICATION NUMBER: US/09/845,416
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: 60/200,777
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 36
SEQ ID NO: 30
SOFTWARE: PatentIn Ver. 2.1
LENGTH: 4498
TYPE: DNA
ORGANISM: Homo sapiens
US-09-845-416-30

Query Match 100.0%; Score 145; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 60
Db 1 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 60
Qy 61 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 120
Db 61 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 120
Qy 121 GCCAACTCATCATCACTAGGGTTCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCT 145

RESULT 21
US-09-845-416-30/C
Sequence 30, Application US/09845416
Publication No. US20030171312A1
GENERAL INFORMATION:
APPLICANT: XIAO, XIAO
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
FILE REFERENCE: DE1142
CURRENT APPLICATION NUMBER: US/09/845,416
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: 60/200,777
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 36
SEQ ID NO: 30
SOFTWARE: PatentIn Ver. 2.1
LENGTH: 4498
TYPE: DNA
ORGANISM: Homo sapiens
US-09-845-416-30

Query Match 100.0%; Score 145; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 60
Db 1 TTGGCCACTCCCTCTGGCGCTGCTCGTCACTGAGGCCGACCAAAAGTTCGCC 60
Qy 61 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 120
Db 61 CGACGCCGCGCTTGGCGGCGCTAGTGACCGAGGAGCGAGGGAGTG 120
Qy 121 GCCAACTCATCATCACTAGGGTTCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCT 145

```



RESULT 25

US-10-291-583-7

Sequence 7, Application US/10291583

Publication No. US20030138772A1

GENERAL INFORMATION:

APPLICANT: Gao, Guangping

APPLICANT: Wilson, James M.

APPLICANT: Alvira, Mauricio

TITLE OF INVENTION: A Method of Detecting and/or Identifying Adeno-Associated Virus Sequences and Isolating No. US20030138772A1

CURRENT APPLICATION NUMBER: US/10/291-583

CURRENT FILING DATE: 2002-11-12

PRIOR APPLICATION NUMBER: US 60/350,607

PRIOR FILING DATE: 2001-11-13

PRIOR APPLICATION NUMBER: US 60/341,117

PRIOR FILING DATE: 2001-12-17

PRIOR APPLICATION NUMBER: US 60/377,066

PRIOR FILING DATE: 2002-05-01

PRIOR APPLICATION NUMBER: US 60/386,675

PRIOR FILING DATE: 2002-06-05

NUMBER OF SEQ ID NOS: 120

SEQ ID NO 7

LENGTH: 4675

TYPE: DNA

ORGANISM: adeno-associated virus serotype 2

US-10-291-583-7

Query Match 100.0%; Score 145; DB 15; Length 4675;

Best Local Similarity 100.0%; Pred. No. 3.4e-35;

Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 TTTGGCCACTCCCTCTCGCGCTCGTGTCACTGAGCGCGGCCAAAGGTGCC 60

Db 1 TTTGGCCACTCCCTCTCGCGCTCGTGTCACTGAGCGCGGCCAAAGGTGCC 60

Qy 61 CGAGCGCCGGGCTTTCGCGGGCTCACTGAGCGCGGCCAAAGGTGCC 120

Db 61 CGAGCGCCGGGCTTTCGCGGGCTCACTGAGCGCGGCCAAAGGTGCC 120

Qy 121 GCCAACTCATCACTAGGGTCT 145

Db 121 GCCAACTCATCACTAGGGTCT 145

RESULT 26

US-10-427-129-2

Sequence 2, Application US/10427129

Publication No. US/040101514A1

GENERAL INFORMATION:

APPLICANT: Liu, Yuhong

APPLICANT: Luo, Jia

APPLICANT: During, Matthew

TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus

CURRENT APPLICATION NUMBER: US/10/427-129

CURRENT FILING DATE: 2003-05-01

PRIOR APPLICATION NUMBER: 09/804, 898

PRIOR FILING DATE: 2001-03-13

PRIOR APPLICATION NUMBER: 60/189, 110

PRIOR FILING DATE: 2000-03-14

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn version 3.0

SEQ ID NO 2

LENGTH: 4675

TYPE: DNA

ORGANISM: adeno-associated virus 2

US-10-427-129-2

Query Match 100.0%; Score 145; DB 19; Length 4675;

Best Local Similarity 100.0%; Pred. No. 3.4e-35;

Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGTGTCACTGAGCGCGGCCAAAGGTGCC 60

Db 1 TTGGCCACTCCCTCTCGCGCTCGTGTCACTGAGCGCGGCCAAAGGTGCC 60

Qy 61 CGACGCCGGGCTTTCGCGGGCTCACTGAGCGCGGCCAAAGGTGCC 120

Db 61 CGACGCCGGGCTTTCGCGGGCTCACTGAGCGCGGCCAAAGGTGCC 120

Qy 121 GCCAACTCATCACTAGGGTCT 145

Db 121 GCCAACTCATCACTAGGGTCT 145

RESULT 27

US-09-804-898-1

Sequence 1, Application US/09804898

Patient No. US2003004526A1

GENERAL INFORMATION:

APPLICANT: DURING, MATTHEW

APPLICANT: XIAO, WEIDONG

TITLE OF INVENTION: PRODUCTION OF CHIMERIC CAPSID VECTORS

CURRENT APPLICATION NUMBER: US/09/804, 898

CURRENT FILING DATE: 2003-03-13

PRIOR APPLICATION NUMBER: 60/189, 110

PRIOR FILING DATE: 2000-03-14

NUMBER OF SEQ ID NOS: 6

SEQ ID NO 1

LENGTH: 4679

TYPE: DNA

ORGANISM: adeno-associated virus 2

US-09-804-898-1

Query Match 100.0%; Score 145; DB 9; Length 4679;

Best Local Similarity 100.0%; Pred. No. 3.4e-35;

Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGTGTCACTGAGCGCGGCCAAAGGTGCC 60

Db 1 TTGGCCACTCCCTCTCGCGCTCGTGTCACTGAGCGCGGCCAAAGGTGCC 60

Qy 61 CGACGCCGGGCTTTCGCGGGCTCACTGAGCGCGGCCAAAGGTGCC 120

Db 61 CGACGCCGGGCTTTCGCGGGCTCACTGAGCGCGGCCAAAGGTGCC 120

Qy 121 GCCAACTCATCACTAGGGTCT 145

Db 121 GCCAACTCATCACTAGGGTCT 145

RESULT 28

US-09-945-681-10

Sequence 10, Application US/09945681

Patient No. US2003064878A1

GENERAL INFORMATION:

APPLICANT: UNIVERSITE DE NANTES

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR RECOMBINANT

ADENO-ASSOCIATED VIRUS PRODUCTION

FILE REFERENCE: B41B/2A - UNIVERSITE DE NANTES

CURRENT APPLICATION NUMBER: US/09/945,681

CURRENT FILING DATE: 2003-09-05

PRIOR APPLICATION NUMBER: PCT/EP 00/01854

PRIOR FILING DATE: 2000-03-05

NUMBER OF SEQ ID NOS: 10

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 10

LENGTH: 4679

TYPE: DNA

ORGANISM: adeno-associated virus 2

US-09-945-681-10

Query Match Score 145; DB 9; Length 4679;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO: 1 TTGGCCACTCCCTCTGCGCGTCACTGGGCGGCCAAAGGTCCG 60  
 DB 1 TTGGCCACTCCCTCTGCGCGTCACTGGGCGGCCAAAGGTCCG 60  
 Qy 61 CGAGGCCGGCTTGCCTGGGGCTAGTGGCGACGGGGAGGAGT 120  
 Db 61 CGAGGCCGGCTTGCCTGGGGCTAGTGGCGACGGGGAGT 120  
 Qy 121 GCCAATCCATCACTAGGGTCT 145  
 Db 121 GCCAATCCATCACTAGGGTCT 145

RESULT 29  
 US-10-038-972A-12  
 ; Sequence 12, Application US/10038972A  
 ; Publication No. US20020192823A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: J. Bartlett  
 ; TITLE OF INVENTION: AAV VECTORS AND METHODS  
 ; FILE REFERENCE: 28335/36396US  
 ; CURRENT APPLICATION NUMBER: US/10/038,972A  
 ; CURRENT FILING DATE: 2002-01-04  
 ; PRIOR FILING DATE: 2001-01-05  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SEQ ID NO: 12  
 ; LENGTH: 4679  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2  
 US-10-038-972A-12

Query Match Score 145; DB 13; Length 4679;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO: 1 TTGGCCACTCCCTCTGCGCGTCACTGGGCGGCCAAAGGTCCG 60  
 DB 1 TTGGCCACTCCCTCTGCGCGTCACTGGGCGGCCAAAGGTCCG 60  
 Qy 61 CGAGGCCGGCTTGCCTGGGGCTAGTGGCGACGGGGAGT 120  
 Db 61 CGAGGCCGGCTTGCCTGGGGCTAGTGGCGACGGGGAGT 120  
 Qy 121 GCCAATCCATCACTAGGGTCT 145  
 Db 121 GCCAATCCATCACTAGGGTCT 145

RESULT 31  
 US-10-077-294-1  
 ; Sequence 1, Application US/10077294  
 ; Publication No. US20020159979A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Johnson, Philip R.  
 ; TITLE OF INVENTION: Adeno-Associated Virus Materials and Methods  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
 ; STREET: 6300 Sears Tower, 233 S. Wacker Drive  
 ; CITY: Chicago  
 ; STATE: Illinois  
 ; COUNTRY: USA  
 ; ZIP: 60606  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.125  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/10/077,294  
 ; FILING DATE: 15-Feb-2002  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 09/691,604  
 ; FILING DATE: <Unknown>  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: No. US20020159979A1and, Greta E.  
 ; REGISTRATION NUMBER: 35,302  
 ; REFERENCE/DOCKET NUMBER: 31975  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (312) 474-6300  
 ; TELEFAX: (312) 474-0448  
 ; TELEX: 25-3856  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 4680 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: DNA (genomic)  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-10-077-294-1

Query Match Score 145; DB 13; Length 4680;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO: 1 TTGGCCACTCCCTCTGCGCGTCACTGGGCGGCCAAAGGTCCG 60  
 Db 1 TTGGCCACTCCCTCTGCGCGTCACTGGGCGGCCAAAGGTCCG 60

RESULT 30  
 US-10-136-819-6  
 ; Sequence 6, Application US/10136819  
 ; Publication No. US20030166593A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Chien, Kenneth  
 ; APPLICANT: Hoshijima, Masahiko  
 ; TITLE OF INVENTION: No. US20030166593A1-viral vector for cardiac specific gen  
 ; FILE REFERENCE: 667-PA1198  
 ; CURRENT FILING DATE: 2002-04-30  
 ; PRIOR APPLICATION NUMBER: 60/287,423  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 6  
 ; LENGTH: 4679  
 ; TYPE: DNA  
 ; ORGANISM: adeno-associated virus 2

Qy 61 CGAGGCCGGGTTGCCGGGCTCACTGAGGCCAGGGAGGAGTG 120  
 Db 61 CGAGGCCGGGTTGCCGGGCTCACTGAGGCCAGGGAGGAGTG 120

Qy 121 GCCAACTCATCATAGGGTCT 145  
 Db 121 GCCAACTCATCATAGGGTCT 145

RESULT 32  
 US-10-163-886-1  
 Sequence 1 Application US/10163886  
 Publication No. US20020187129A1  
 GENERAL INFORMATION:  
 APPLICANT: Johnson, Phillip R.  
 TITLE OF INVENTION: Adeno-Associated Virus Materials and Methods

NUMBER OF SEQUENCES: 3  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
 STREET: 6300 Sears Tower, 233 S. Wacker Drive  
 CITY: Chicago  
 STATE: Illinois  
 COUNTRY: USA  
 ZIP: 60606  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 ADDRESS: Marshall, O'Toole, Gerstein, Murray & Borun  
 STREET: 6300 Sears Tower, 233 S. Wacker Drive  
 CITY: Chicago  
 STATE: Illinois  
 COUNTRY: USA  
 ZIP: 60606  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/163,886  
 FILING DATE: 04-Jun-2002  
 CLASSIFICATION: <Unknown>  
 PRIORITY APPLICATION NUMBER: 09/292,703  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: No. US20020187129A1and, Greta E.  
 REGISTRATION NUMBER: 35,302  
 REFERENCE/DOCKET NUMBER: 31975  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (312) 474-6300  
 TELEFAX: (312) 474-0448  
 TELEX: 25-3856  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 4680 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: Linear  
 MOLECULE TYPE: DNA (genomic)  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-10-263-127-1

Query Match 100.0%; Score 145; DB 13; Length 4680;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Gaps 0;  
 Db 1 TTGGCCACTCCCTCTCGCCCTCGTGTGAGGGAGGGAGTG 120  
 Qy 1 TTGGCCACTCCCTCTCGCCCTCGTGTGAGGGAGGGAGTG 120  
 Db 1 TTGGCCACTCCCTCTCGCCCTCGTGTGAGGGAGGGAGTG 120

Query Match 100.0%; Score 145; DB 13; Length 4680;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Gaps 0;  
 Db 1 TTGGCCACTCCCTCTCGCCCTCGTGTGAGGGAGGGAGTG 120  
 Qy 61 CGACGCCGGGCTTCGCCGGGCTCACTGAGGCCAGGGAGTG 120  
 Db 61 CGACGCCGGGCTTCGCCGGGCTCACTGAGGCCAGGGAGTG 120

Query Match 100.0%; Score 145; DB 13; Length 4680;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Gaps 0;  
 Db 1 TTGGCCACTCCCTCTCGCCCTCGTGTGAGGGAGTG 120  
 Qy 61 CGACGCCGGGCTTCGCCGGGCTCACTGAGGCCAGGGAGTG 120  
 Db 61 CGACGCCGGGCTTCGCCGGGCTCACTGAGGCCAGGGAGTG 120

Query Match 100.0%; Score 145; DB 13; Length 4680;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Gaps 0;  
 Db 1 TTGGCCACTCCCTCTCGCCCTCGTGTGAGGGAGTG 120  
 Qy 121 GCCAACTCATCATAGGGTCT 145  
 Db 121 GCCAACTCATCATAGGGTCT 145

RESULT 34  
 US-10-375-777-1  
 Sequence 1, Application US/10375777  
 Publication No. US20030147912A1  
 GENERAL INFORMATION:  
 APPLICANT: Johnson, Phillip R.  
 TITLE OF INVENTION: Adeno-Associated Virus Materials and Methods

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
 STREET: 6300 Sears Tower, 233 S. Wacker Drive  
 CITY: Chicago  
 STATE: Illinois  
 COUNTRY: USA  
 ZIP: 60606

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/375,777  
 FILING DATE: 26-Feb-2003

PRIOR APPLICATION DATA:  
 CLASSIFICATION: <Unknown>  
 APPLICATION NUMBER: US/10/163,886  
 FILING DATE: 04-Jun-2002  
 APPLICATION NUMBER: 09/292,703  
 FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
 NAME: NO. US20030147912A1and, Greta E.  
 REGISTRATION NUMBER: 35,302  
 REFERENCE/DOCKET NUMBER: 313975

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (312) 474-6300  
 TELEFAX: (312) 474-0448  
 TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 4680 base pairs  
 STRANDBEADNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-10-375-777-1

Query Match 100.0%; Score 145; DB 18; Length 4681;  
 Best Local Similarity 100.0%; Pred. No. 3. 4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGCCACTCCCTCTCGGCCCTCGCTGCTCACTGAGGCCACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGGCCCTCGCTGCTCACTGAGGCCACCAAGGTGCC 60

Qy 61 CGAGCCGGGGTTGCGCGGGGCTCACTGAGGCCACCAAGGTGCC 120  
 Db 61 CGAGCCGGGGTTGCGCGGGGCTCACTGAGGCCACCAAGGTGCC 120

Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 121 GCCAACTCCATCACTAGGGTTCT 145

RESULT 35  
 US-10-696-261-18  
 Sequence 18, Application US/10696261  
 Publication No. US20040057931A1  
 GENERAL INFORMATION:  
 APPLICANT: Wilson, James M.  
 APPLICANT: Xiao, Weidong  
 TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences, Vectors and Host Cells Containing Same  
 FILE REFERENCE: GNP/0.01USA  
 CURRENT FILING DATE: 2003-10-29  
 PRIOR APPLICATION NUMBER: US/09/807,802A  
 PRIORITY: 2002-02-21  
 PRIORITY NUMBER: US 60/107,114  
 PRIORITY FILING DATE: 1998-11-05  
 PRIORITY APPLICATION NUMBER: PCT/US99/25694  
 NUMBER OF SEQ ID NOS: 20  
 SEQ ID NO 18  
 LENGTH: 4681  
 TYPE: DNA  
 ORGANISM: AAV-2  
 US-10-696-262-18

Query Match 100.0%; Score 145; DB 18; Length 4681;  
 Best Local Similarity 100.0%; Pred. No. 3. 4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGCCACTCCCTCTCGGCCCTCGCTGCTCACTGAGGCCACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCGGCCCTCGCTGCTCACTGAGGCCACCAAGGTGCC 60

Qy 61 CGAGCCGGGGTTGCGCGGGGCTCACTGAGGCCACCAAGGTGCC 120  
 Db 61 CGAGCCGGGGTTGCGCGGGGCTCACTGAGGCCACCAAGGTGCC 120

Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 121 GCCAACTCCATCACTAGGGTTCT 145

RESULT 37  
 US-10-696-900-18  
 Sequence 18, Application US/10696900  
 Publication No. US20040057931A1  
 GENERAL INFORMATION:  
 APPLICANT: Wilson, James M.  
 APPLICANT: Xiao, Weidong  
 TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences, Vectors and Host Cells Containing Same  
 FILE REFERENCE: GNP/0.01USA  
 CURRENT FILING DATE: 2003-10-29  
 PRIOR APPLICATION NUMBER: US/09/807,802A  
 PRIORITY: 2002-02-21  
 PRIORITY NUMBER: US 60/107,114  
 PRIORITY FILING DATE: 1998-11-05  
 PRIORITY APPLICATION NUMBER: PCT/US99/25694

GENERAL INFORMATION:  
 / APPLICANT: Wilson, James M.  
 / APPLICANT: Xiao, Weidong  
 / TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
 / TITLE OF INVENTION: Vectors and Host Cells Containing Same  
 / FILE REFERENCE: GNPVN 031USA  
 / CURRENT APPLICATION NUMBER: US/10/696,900  
 / CURRENT FILING DATE: 2003-10-30  
 / PRIOR APPLICATION NUMBER: US/09/807,802A  
 / PRIOR FILING DATE: 2002-02-21  
 / PRIOR APPLICATION NUMBER: US 60/107,114  
 / PRIOR FILING DATE: 1998-11-05  
 / PRIOR APPLICATION NUMBER: PCT/US99/25694  
 / PRIOR FILING DATE: 1999-11-02  
 / NUMBER OF SEQ ID NOS: 20  
 / SOFTWARE: Patentin version 3.1  
 / SEQ ID NO: 18  
 / LENGTH: 4681  
 / TYPE: DNA  
 / ORGANISM: AAV-2  
 us-10-696-900-18

RESULT 39  
 US-10-696-282-19  
 / Sequence 19, Application US/10696282  
 / Publication No. US20040057932A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Wilson, James M.  
 / APPLICANT: Xiao, Weidong  
 / TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
 / TITLE OF INVENTION: Vectors and Host Cells Containing Same  
 / FILE REFERENCE: GNPVN 031USA  
 / CURRENT APPLICATION NUMBER: US/10/696,282  
 / CURRENT FILING DATE: 2003-10-29  
 / PRIOR APPLICATION NUMBER: US/09/807,802A  
 / PRIOR FILING DATE: 2002-02-21  
 / PRIOR APPLICATION NUMBER: US 60/107,114  
 / PRIOR FILING DATE: 1998-11-05  
 / PRIOR APPLICATION NUMBER: PCT/US99/25694  
 / NUMBER OF SEQ ID NOS: 20  
 / SOFTWARE: Patentin version 3.1  
 / SEQ ID NO: 19  
 / LENGTH: 4683  
 / TYPE: DNA  
 / ORGANISM: AAV-6  
 us-10-696-282-19

Query Match 100.0%; Score 145; DB 18; Length 4681;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGGCTCGTCACTGAGGCCGAAAGGTGCGC 60  
 Db 1 TTGGCCACTCCCTCTCGCGGCTCGTCACTGAGGCCGAAAGGTGCGC 60

Qy 61 CGACGCCGGGTTTGCGGGGCTCAGTGGCGAGGGAGGGAGTG 120  
 Db 61 CGACGCCGGGTTTGCGGGGCTCAGTGGCGAGGGAGGGAGTG 120

Qy 121 GCCAACTCATCATAGGGTCT 145  
 Db 121 GCCAACTCATCATAGGGTCT 145

RESULT 38  
 US-10-696-261-19  
 / Sequence 19, Application US/10696261  
 / Publication No. US20040057931A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Wilson, James M.  
 / APPLICANT: Xiao, Weidong  
 / TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
 / TITLE OF INVENTION: Vectors and Host Cells Containing Same  
 / FILE REFERENCE: GNPVN 031USA  
 / CURRENT APPLICATION NUMBER: US/10/696,261  
 / CURRENT FILING DATE: 2003-10-29  
 / PRIOR APPLICATION NUMBER: US/09/807,802A  
 / PRIOR FILING DATE: 2002-02-21  
 / PRIOR APPLICATION NUMBER: US 60/107,114  
 / PRIOR FILING DATE: 1998-11-05  
 / PRIOR APPLICATION NUMBER: PCT/US99/25694  
 / NUMBER OF SEQ ID NOS: 20  
 / SOFTWARE: Patentin version 3.1  
 / SEQ ID NO: 19  
 / LENGTH: 4683  
 / TYPE: DNA  
 / ORGANISM: AAV-6  
 us-10-696-261-19

Query Match 100.0%; Score 145; DB 18; Length 4683;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGGCTCGTCACTGAGGCCGAAAGGTGCGC 60  
 Db 1 TTGGCCACTCCCTCTCGCGGCTCGTCACTGAGGCCGAAAGGTGCGC 60

Qy 61 CGACGCCGGGTTTGCGGGGCTCAGTGGCGAGGGAGGGAGTG 120  
 Db 61 CGACGCCGGGTTTGCGGGGCTCAGTGGCGAGGGAGGGAGTG 120

Qy 121 GCCAACTCATCATAGGGTCT 145  
 Db 121 GCCAACTCATCATAGGGTCT 145

RESULT 40  
 US-10-696-900-19  
 / Sequence 19, Application US/10696900  
 / Publication No. US20040057933A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Wilson, James M.  
 / APPLICANT: Xiao, Weidong  
 / TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
 / TITLE OF INVENTION: Vectors and Host Cells Containing Same  
 / FILE REFERENCE: GNPVN 031USA  
 / CURRENT APPLICATION NUMBER: US/10/696,900  
 / CURRENT FILING DATE: 2003-10-30  
 / PRIOR APPLICATION NUMBER: US/09/807,802A  
 / PRIOR FILING DATE: 2002-02-21  
 / PRIOR APPLICATION NUMBER: US 60/107,114  
 / PRIOR FILING DATE: 1998-11-05  
 / PRIOR APPLICATION NUMBER: PCT/US99/25694  
 / NUMBER OF SEQ ID NOS: 20  
 / SOFTWARE: Patentin version 3.1  
 / SEQ ID NO: 19

Query Match 100.0%; Score 145; DB 18; Length 4683;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGGCTCGTCACTGAGGCCGAAAGGTGCGC 60  
 Db 1 TTGGCCACTCCCTCTCGCGGCTCGTCACTGAGGCCGAAAGGTGCGC 60

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; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-900-19
Query Match 100.0%; Score 145; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTAGCCACTCCCTCTCGCGCTCGCTGCTACTGAGGCCAGCAAGGTGCC 60
Db 1 TTAGCCACTCCCTCTCGCGCTCGCTGCTACTGAGGCCAGCAAGGTGCC 60
Qy 61 CGACGCCGGGGCTTGCGGGGCTCTCGCTGCTGCTACTGAGGCCAGCAAGGTGCC 60
Db 61 CGACGCCGGGGCTTGCGGGGCTCTCGCTGCTGCTACTGAGGCCAGCAAGGTGCC 60
Qy 121 GCCAACTCATCATCACTAGGGTTCCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCCT 145

RESULT 41
US-10-427-129-6
; Sequence 6, Application US/10427129
; Publication No. US20040101514A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Yilong
; APPLICANT: Luo, Jia
; APPLICANT: During, Matthew
; TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus
; FILE REFERENCE: 102182-24
; CURRENT APPLICATION NUMBER: US/10/427,129
; CURRENT FILING DATE: 2003-05-01
; PRIOR APPLICATION NUMBER: 09/1804,898
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/189,110
; NUMBER OF SEQ ID NOS: 15
; SEQ ID NO 6
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-427-129-6
Query Match 100.0%; Score 145; DB 19; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTAGCCACTCCCTCTCGCGCTCGCTGCTACTGAGGCCAGCAAGGTGCC 60
Db 1 TTAGCCACTCCCTCTCGCGCTCGCTGCTACTGAGGCCAGCAAGGTGCC 60
Qy 61 CGACGCCGGGGCTTGCGGGGCTCTCGCTGCTACTGAGGCCAGCAAGGTGCC 60
Db 61 CGACGCCGGGGCTTGCGGGGCTCTCGCTGCTACTGAGGCCAGCAAGGTGCC 60
Qy 121 GCCAACTCATCATCACTAGGGTTCCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCCT 145

RESULT 42
US-10-959-017-2
; Sequence 2, Application US/10959017
; Publication No. US20050106125A1
; GENERAL INFORMATION:
; APPLICANT: PHILPOTT, NICOLA
; APPLICANT: FALICK-PEDERSEN, ERIK S
; TITLE OF INVENTION: USE OF AAV INTEGRATION EFFICIENCY ELEMENT FOR MEDIATING
; TITLE OF INVENTION: SITE-SPECIFIC INTEGRATION OF A TRANSCRIPTION UNIT
; FILE REFERENCE: 23:0526

CURRENT APPLICATION NUMBER: US/10/959,017
; CURRENT FILING DATE: 2004-10-05
; PRIOR APPLICATION NUMBER: PCT/US03/11191
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/371,044
; PRIOR FILING DATE: 2002-04-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus serotype 6
US-10-959-017-2
Query Match 100.0%; Score 145; DB 21; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-15;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTAGCCACTCCCTCTCGCGCTCGCTACTGAGGCCAGCAAGGTGCC 60
Db 1 TTAGCCACTCCCTCTCGCGCTCGCTACTGAGGCCAGCAAGGTGCC 60
Qy 61 CGACGCCGGGGCTTGCGGGGCTCTCGCTGCTACTGAGGCCAGCAAGGTGCC 120
Db 61 CGACGCCGGGGCTTGCGGGGCTCTCGCTGCTACTGAGGCCAGCAAGGTGCC 120
Qy 121 GCCAACTCATCATCACTAGGGTTCCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCCT 145

RESULT 43
US-09-845-416-29
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-29
Query Match 100.0%; Score 145; DB 10; Length 4825;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTAGCCACTCCCTCTCGCGCTCGCTACTGAGGCCAGCAAGGTGCC 60
Db 1 TTAGCCACTCCCTCTCGCGCTCGCTACTGAGGCCAGCAAGGTGCC 60
Qy 61 CGACGCCGGGGCTTGCGGGGCTCTCGCTGCTACTGAGGCCAGCAAGGTGCC 60
Db 61 CGACGCCGGGGCTTGCGGGGCTCTCGCTGCTACTGAGGCCAGCAAGGTGCC 60
Qy 121 GCCAACTCATCATCACTAGGGTTCCT 145
Db 121 GCCAACTCATCATCACTAGGGTTCCT 145

RESULT 44
US-09-845-416-29/C
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: FALICK-PEDERSEN, ERIK S
; TITLE OF INVENTION: USE OF AAV INTEGRATION EFFICIENCY ELEMENT FOR MEDIATING
; TITLE OF INVENTION: SITE-SPECIFIC INTEGRATION OF A TRANSCRIPTION UNIT
; FILE REFERENCE: 23:0526

```

GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845, 416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 60/200, 777  
 NUMBER OF SEQ ID NOS: 36  
 SEQ ID NO: 29  
 LENGTH: 4825  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-29

Query Match 100.0%; Score 145; DB 10; Length 4825;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCG CGCGCTCGTCACTGAGGGGACCAAGGTGCC 60  
 Db 4825 TTGGCCACTCCCTCTCTCG CGCGCTCGTCACTGAGGGGACCAAGGTGCC 4766

Qy 61 CGACGCCGGCTTGC CGCGCTCACTGAGGGGACCAAGGTGCC 120  
 Db 4765 CGACGCCGGCTTGC CGCGCTCACTGAGGGGACCAAGGTGCC 4706

Qy 121 GCCAACTCCATCACTAGGGTCTCT 145  
 Db 4705 GCCAACTCCATCACTAGGGTCTCT 4681

RESULT 45  
 US-09-845-416-35/C  
 Sequence 35, Application US/09845416  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845, 416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 60/200, 777  
 NUMBER OF SEQ ID NOS: 36  
 SEQ ID NO: 35  
 LENGTH: 4848  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-35

Query Match 100.0%; Score 145; DB 10; Length 4848;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 61 CGACGCCGGCTTGC CGCGCTCACTGAGGGGACCAAGGTGCC 60  
 Db 4848 TTGGCCACTCCCTCTCG CGCGCTCACTGAGGGGACCAAGGTGCC 4789

Qy 61 CGACGCCGGCTTGC CGCGCTCACTGAGGGGACCAAGGTGCC 120  
 Db 4788 CGACGCCGGCTTGC CGCGCTCACTGAGGGGACCAAGGTGCC 4729

Qy 121 GCCAACTCCATCACTAGGGTCTCT 145  
 Db 4728 GCCAACTCCATCACTAGGGTCTCT 4704

RESULT 46  
 US-09-845-416-28/C  
 Sequence 28, Application US/09845416  
 GENERAL INFORMATION:  
 APPLICANT: XIAO, XIAO  
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 FILE REFERENCE: DE1142  
 CURRENT APPLICATION NUMBER: US/09/845, 416  
 CURRENT FILING DATE: 2001-04-30  
 PRIOR APPLICATION NUMBER: 60/200, 777  
 NUMBER OF SEQ ID NOS: 36  
 SEQ ID NO: 28  
 LENGTH: 4966  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-845-416-28

Query Match 100.0%; Score 145; DB 10; Length 4966;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCG CGCGCTCACTGAGGGGACCAAGGTGCC 60  
 Db 1 TTGGCCACTCCCTCTCG CGCGCTCACTGAGGGGACCAAGGTGCC 60

Qy 61 CGACGCCGGCTTGC CGCGCTCACTGAGGGGACCAAGGTGCC 120  
 Db 61 CGACGCCGGCTTGC CGCGCTCACTGAGGGGACCAAGGTGCC 120

Qy 121 GCCAACTCCATCACTAGGGTCTCT 145  
 Db 4846 GCCAACTCCATCACTAGGGTCTCT 4822

RESULT 48  
US-09-845-416-34  
; Sequence 34, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIORITY APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn.Ver. 2.1  
; SEQ ID NO: 34  
; LENGTH: 4990  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-09-845-416-34

Query Match 100.0%; Score 145; DB 10; Length 4990;  
Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTGCCACTCCCTCTCGCTACTGAGGCCGGGACAAAGGTGCC 60  
Db 1 TTGGCCACTCCCTCTCGCTACTGAGGCCGGGACAAAGGTGCC 60

Qy 61 CGACGCCGGGCTTTGCCGGGGCTCTAGTGAGGAGGGACTG 120  
Db 61 CGACGCCGGGCTTTGCCGGGGCTCTAGTGAGGAGGGACTG 120

Qy 121 GCCAAGCTCTACTAGGGTTCT 145  
Db 121 GCCAAGCTCTACTAGGGTTCT 145

RESULT 49  
US-09-845-416-34/c  
; Sequence 34, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIORITY APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn.Ver. 2.1  
; SEQ ID NO: 34  
; LENGTH: 4990  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-09-845-416-34/c

Query Match 100.0%; Score 145; DB 10; Length 4990;  
Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTGCCACTCCCTCTCGCTACTGAGGCCGGGACAAAGGTGCC 60  
Db 4990 TTGGCCACTCCCTCTCGCTACTGAGGCCGGGACAAAGGTGCC 4931

Qy 61 CGACGCCGGGCTTTGCCGGGGCTCTAGTGAGGAGGGACTG 120  
Db 4930 CGACGCCGGGCTTTGCCGGGGCTCTAGTGAGGAGGGACTG 4871

RESULT 50  
US-09-845-416-36  
; Sequence 36, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIORITY APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn.Ver. 2.1  
; SEQ ID NO: 36  
; LENGTH: 5060  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-09-845-416-36

Query Match 100.0%; Score 145; DB 10; Length 5060;  
Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCTACTGAGGCCGGGACAAAGGTGCC 60  
Db 1 TTGGCCACTCCCTCTCGCTACTGAGGCCGGGACAAAGGTGCC 60

Qy 61 CGACGCCGGGCTTTGCCGGGGCTCTAGTGAGGAGGGACTG 120  
Db 61 CGACGCCGGGCTTTGCCGGGGCTCTAGTGAGGAGGGACTG 120

Qy 121 GCCAAGCTCTACTAGGGTTCT 145  
Db 121 GCCAAGCTCTACTAGGGTTCT 145

RESULT 51  
US-09-845-416-36/c  
; Sequence 36, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIORITY APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn.Ver. 2.1  
; SEQ ID NO: 36  
; LENGTH: 5060  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-09-845-416-36

Query Match 100.0%; Score 145; DB 10; Length 5060;  
Best Local Similarity 100.0%; Pred. No. 3.4e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCTACTGAGGCCGGGACAAAGGTGCC 60  
Db 5060 TTGGCCACTCCCTCTCGCTACTGAGGCCGGGACAAAGGTGCC 5001

Qy 61 CGACGCCGGGCTTTGCCGGGGCTCTAGTGAGGAGGGACTG 120  
Db 61 CGACGCCGGGCTTTGCCGGGGCTCTAGTGAGGAGGGACTG 120

Db 5000 CGACGCCGGGCTTGCCTCGGGCTACTGAGGAGCCAGGGAGTGC 4941  
 Qy 121 GCCAACTCATCACTAGGGTCT 145  
 Db 4940 GCCAACTCATCACTAGGGTCT 4916

RESULT 52  
 US-09-845-416-27

; Sequence 27, Application US/09845416  
 ; Publication No. US20030171312A1

; GENERAL INFORMATION:  
 ; APPLICANT: XIAO, XIAO  
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND US3

; FILE REFERENCE: DE1142  
 ; CURRENT APPLICATION NUMBER: US/09/845, 416  
 ; CURRENT FILING DATE: 2001-04-30

; PRIORITY NUMBER: 60/200,777  
 ; PRIORITY FILING DATE: 2000-04-28

; NUMBER OF SEQ ID NOS: 36

; SEQ ID NO 27

; LENGTH: 5149

; TYPE: DNA  
 ; ORGANISM: Homo sapiens

; US-09-845-416-27

Query Match 100.0%; Score 145; DB 10; Length 5149;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Mismatches 0; Delins 0; Gaps 0;  
 SEQ ID NO 4

Qy 1 TTGGCCACTCCCTCTCGGCTCGTGGTCACTGAGGCGGGACCAAGGGTGC 60  
 Db 1 TTGGCCACTCCCTCTCGGCTCGTGGTCACTGAGGCGGGACCAAGGGTGC 60

Qy 61 CGACGCCGGGCTTGCCTCGGGCTACTGAGGAGCCAGGGAGTGC 120  
 Db 61 CGACGCCGGGCTTGCCTCGGGCTACTGAGGAGCCAGGGAGTGC 120

Qy 121 GCCAACTCATCACTAGGGTCT 145  
 Db 121 GCCAACTCATCACTAGGGTCT 145

RESULT 53  
 US-09-845-416-27/C

; Sequence 27, Application US/09845416  
 ; Publication No. US20030171312A1

; GENERAL INFORMATION:  
 ; APPLICANT: XIAO, XIAO  
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 ; FILE REFERENCE: DE1142

; CURRENT APPLICATION NUMBER: US/09/845, 416

; CURRENT FILING DATE: 2001-04-30  
 ; PRIORITY NUMBER: 60/200,777

; NUMBER OF SEQ ID NOS: 36

; SEQ ID NO 27

; LENGTH: 5149

; TYPE: DNA  
 ; ORGANISM: Homo sapiens

; US-09-845-416-27

Query Match 100.0%; Score 145; DB 10; Length 5149;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Mismatches 0; Delins 0; Gaps 0;  
 SEQ ID NO 1

Qy 1 TTGGCCACTCCCTCTCGGGCTACTGAGGAGCCAGGGAGTGC 120  
 Db 1 TTGGCCACTCCCTCTCGGGCTACTGAGGAGCCAGGGAGTGC 120

Qy 121 GCCAACTCATCACTAGGGTCT 145  
 Db 121 GCCAACTCATCACTAGGGTCT 145

RESULT 54  
 US-10-267-117-4

; Sequence 4, Application US/10267117  
 ; Publication No. US20030082162A1

; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SHIONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; FILE REFERENCE: 4300\_011800  
 ; CURRENT APPLICATION NUMBER: US/10/267,117  
 ; CURRENT FILING DATE: 2002-10-08  
 ; PRIORITY NUMBER: US/09/299,141  
 ; PRIORITY FILING DATE: 1999-04-23  
 ; PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025  
 ; PRIORITY FILING DATE: EARLIER FILING DATE: 1998-04-24  
 ; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 4

; LENGTH: 5932

; TYPE: DNA  
 ; ORGANISM: Artificial Sequence

; FEATURE: Description of Artificial Sequence:p43C-AT

; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
 ; US-10-267-117-4

Query Match 100.0%; Score 145; DB 14; Length 5932;  
 Best Local Similarity 100.0%; Pred. No. 3.3e-35;  
 Matches 145; Conservative 0; Mismatches 0; Delins 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGGGCTACTGAGGAGCCAGGGAGTGC 60  
 Db 1 TTGGCCACTCCCTCTCGGGCTACTGAGGAGCCAGGGAGTGC 60

Qy 121 GCCAACTCATCACTAGGGTCT 145  
 Db 121 GCCAACTCATCACTAGGGTCT 145

RESULT 55  
 US-10-267-117-4/c

; Sequence 4, Application US/10267117  
 ; Publication No. US20030082162A1

; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SHIONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; FILE REFERENCE: 4300\_011800  
 ; CURRENT APPLICATION NUMBER: US/10/267,117  
 ; CURRENT FILING DATE: 2002-10-08  
 ; PRIORITY NUMBER: US/09/299,141  
 ; PRIORITY FILING DATE: 1999-04-23  
 ; PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025  
 ; PRIORITY FILING DATE: EARLIER FILING DATE: 1998-04-24  
 ; NUMBER OF SEQ ID NOS: 13

Query Match 100.0%; Score 145; DB 10; Length 5149;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-35; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Mismatches 0; Delins 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGGGCTACTGAGGAGCCAGGGAGTGC 60  
 Db 1 TTGGCCACTCCCTCTCGGGCTACTGAGGAGCCAGGGAGTGC 60

SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 4  
 LENGTH: 5932  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
 US-10-267-117-4

Query Match 100.0%; Score 145; DB 14; Length 5932;  
 Best Local Similarity 100.0%; Pred. No. 3.3e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTGCTGCTACTGGGCCGGCACCAAGGTGCC 60  
 Db 3078 TTGGCCACTCCCTCTGGCGCTGCTGCTACTGGGCCGGCACCAAGGTGCC 3019

Qy 61 CGAGCCCCGGCTTGCCTGGGGCCCTCACTGAGGCGGCCAGAGGGATG 120  
 Db 3018 CGAGCCCCGGCTTGCCTGGGGCCCTCACTGAGGCGGCCAGAGGGATG 2959

Qy 121 GCGAACTCTTCACTAGGGTTCCT 145  
 Db 2958 GCCAACTCCATCACTAGGGTTCCT 2934

RESULT 56

US-10-340-112-4

Sequence 4. Application US/10140112  
 Publication No. US20030095949A1

GENERAL INFORMATION:  
 APPLICANT: FLOTTE, TERENCE R.  
 APPLICANT: SONG, SIHONG  
 APPLICANT: BYRNE, BARRY J.  
 APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 FILE REFERENCE: 4300.011800  
 CURRENT APPLICATION NUMBER: US/10/340,112  
 CURRENT FILING DATE: 2003-01-10  
 PRIORITY NUMBER: US/09/239,141  
 PRIORITY FILING DATE: 1999-04-23  
 PRIORITY FILING NUMBER: EARLIER FILING NUMBER: 60/083,025  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 LENGTH: 5932  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:p43C-AT  
 US-10-340-112-4

Query Match 100.0%; Score 145; DB 14; Length 5932;  
 Best Local Similarity 100.0%; Pred. No. 3.3e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTGCTGCTACTGGGCCGGCACCAAGGTGCC 60  
 Db 18 TTGGCCACTCCCTCTGGCGCTGCTGCTACTGGGCCGGCACCAAGGTGCC 77

Qy 61 CGAGCCCCGGCTTGCCTGGGGCCCTCACTGAGGCGGCCAGAGGGATG 120  
 Db 78 CGAGCCCCGGCTTGCCTGGGGCCCTCACTGAGGCGGCCAGAGGGATG 137

Qy 121 GCGAACTCTTCACTAGGGTTCCT 145  
 Db 138 GCCAACTCCATCACTAGGGTTCCT 162

RESULT 57

US-10-340-112-4/C  
 Sequence 4. Application US/10140112

Query Match 100.0%; Score 145; DB 15; Length 6081;  
 Best Local Similarity 100.0%; Pred. No. 3.3e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTGCTGCTACTGGGCCGGCACCAAGGTGCC 60  
 Db 7 TTGGCCACTCCCTCTGGCGCTGCTGCTACTGGGCCGGCACCAAGGTGCC 66

RESULT 59  
US-10-267-117-8  
; Sequence 8, Application US/10267117  
; Publication No. US20130082162A1  
; GENERAL INFORMATION:  
; APPLICANT: FLOTTE, TERENCE R.  
; APPLICANT: SONG, SIHONG  
; APPLICANT: BYRNE, BARRY J.  
; APPLICANT: MORGAN, MICHAEL J.  
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
; FILE REFERENCE: 4300-011800  
; CURRENT APPLICATION NUMBER: US/10/267,117  
; CURRENT FILING DATE: 2002-10-08  
; PRIORITY NUMBER: US/09/299,141  
; PRIOR FILING DATE: 1999-04-23  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24  
; NUMBER OF SEQ ID NOS: 13  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 8  
; LENGTH: 6142  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
; OTHER INFORMATION: P4mnsENC-AT  
US-10-267-117-8

Query Match 100.0%; Score 145; DB 14; Length 6142;  
Best Local Similarity 100.0%; Pred. No. 3 3e-35;  
Matches 145; Conservative 0; Mis matches 0; Indels 0; Gaps 0

Qy 1 TTTGGCCTACTCCCTCTCTGGCGCTCTGCTTGCGCTCTACTGAGGCCAAAGGTCGCC 60  
Db 18 TTTGGCCTACTCCCTCTCTGGCGCTCTGCTTGCGCTCTACTGAGGCCAAAGGTCGCC 77

Qy 61 CGAGCGCCGGCTTGCCTGGGCCGGCTCTGACCGAGGCCGGAGGCCGGAGCTGAG 120  
Db 78 CGAGCGCCGGCTTGCCTGGGCCGGCTCTGACCGAGGCCGGAGCTGAGGCCGGAGCTGAG 137

Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
Db 138 GCCRACTCCATCACTAGGGTTCT 162

RESULT 60  
US-10-267-117-8/C  
; Sequence 8, Application US/10267117  
; Publication No. US20130082162A1  
; GENERAL INFORMATION:  
; APPLICANT: FLOTTE, TERENCE R.  
; APPLICANT: SONG, SIHONG  
; APPLICANT: BYRNE, BARRY J.  
; APPLICANT: MORGAN, MICHAEL J.  
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
; FILE REFERENCE: 4300-011800  
; CURRENT APPLICATION NUMBER: US/10/267,117  
; CURRENT FILING DATE: 2002-10-08  
; PRIORITY NUMBER: US/09/299,141  
; PRIOR FILING DATE: 1999-04-23  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24  
; NUMBER OF SEQ ID NOS: 13

Result No.	Score	Query Match	Length	DB ID	Description	
1	145	100.0	145	1	US-07-789-917A-1	
2	145	100.0	145	3	US-08-702-573-4	
3	145	100.0	145	3	US-07-193-1	
4	145	100.0	165	1	US-07-989-841A-1	
5	145	100.0	165	2	US-08-440-738A-1	
6	145	100.0	165	3	US-08-471-914-1	
7	145	100.0	165	3	US-08-476-625-4	
8	145	100.0	1680	1	US-08-254-358-1	
9	145	100.0	1680	1	US-08-476-625-7	
10	145	100.0	1680	2	US-08-476-625-3	
11	145	100.0	1680	5	PCT-US95-07178-1	
12	145	100.0	1681	4	US-09-807-802A-18	
13	145	100.0	1683	4	US-09-276-625-7	
14	145	100.0	5932	3	US-08-254-358-1	
c	15	145	100.0	5932	3	US-08-476-391-1
c	16	145	100.0	6142	3	US-09-299-141-8
c	17	145	100.0	6142	3	US-09-299-141-8
c	18	145	100.0	6253	3	US-08-892-327-15
c	19	145	100.0	6253	3	US-08-892-327-15
c	20	145	100.0	6280	3	US-08-892-327-17
c	21	145	100.0	6280	3	US-08-892-327-17
c	22	145	100.0	6280	3	US-08-892-327-19
c	23	145	100.0	6280	3	US-08-892-327-19
c	24	145	100.0	6565	3	US-09-299-141-1
c	25	145	100.0	6565	3	US-09-299-141-1
c	26	145	100.0	6714	3	US-09-299-141-6
c	27	145	100.0	6714	3	US-09-299-141-6

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Database :	Issued Patents NA: *	Description
	1: /cgns2_6/.ptodata/1/ina/5A_COMB.seq:*	Sequence 1, Appli
	2: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 2, Appli
	3: /cgns2_6/.ptodata/1/ina/5A_COMB.seq:*	Sequence 3, Appli
	4: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 4, Appli
	5: /cgns2_6/.ptodata/1/ina/PCTUS.COMB.seq:*	Sequence 5, Appli
	6: /cgns2_6/.ptodata/1/ina/backfile1.seq:*	Sequence 6, Appli

Run on:	July 5, 2005, 10:51:06 ; Search time 104.722 Seconds (without alignments)	2265.614 Million cell updates/sec
Title:	US-10-620-039-1	
Perfect score:	145	
Sequence:	1 TTGGCCACTCCCTCTGCG.....CTCCATCACTAGGGCTTCCT 145	
Scoring table:	IDENTITY_NUC	
Gapop 10.0 , Gapext 1.0		
Searched:	1202784 seqs, 81813859 residues	
Total number of hits satisfying chosen parameters:	2405568	
Minimum DB seq length: 0		
Maximum DB seq length: 2000000000		
Post-processing: Minimum Match 0% Maximum Match 100%		
Listing first 300 summaries		
Database :	Issued Patents NA: *	Description
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	2: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 2, Appli
	3: /cgns2_6/.ptodata/1/ina/5A_COMB.seq:*	Sequence 3, Appli
	4: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 4, Appli
	5: /cgns2_6/.ptodata/1/ina/PCTUS.COMB.seq:*	Sequence 5, Appli
	6: /cgns2_6/.ptodata/1/ina/backfile1.seq:*	Sequence 6, Appli

Run on:	July 5, 2005, 10:51:06 ; Search time 104.722 Seconds (without alignments)	2265.614 Million cell updates/sec
Title:	US-10-620-039-1	
Perfect score:	145	
Sequence:	1 TTGGCCACTCCCTCTGCG.....CTCCATCACTAGGGCTTCCT 145	
Scoring table:	IDENTITY_NUC	
Gapop 10.0 , Gapext 1.0		
Searched:	1202784 seqs, 81813859 residues	
Total number of hits satisfying chosen parameters:	2405568	
Minimum DB seq length: 0		
Maximum DB seq length: 2000000000		
Post-processing: Minimum Match 0% Maximum Match 100%		
Listing first 300 summaries		
Database :	Issued Patents NA: *	Description
	1: /cgns2_6/.ptodata/1/ina/5A_COMB.seq:*	Sequence 1, Appli
	2: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 2, Appli
	3: /cgns2_6/.ptodata/1/ina/5A_COMB.seq:*	Sequence 3, Appli
	4: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 4, Appli
	5: /cgns2_6/.ptodata/1/ina/PCTUS.COMB.seq:*	Sequence 5, Appli
	6: /cgns2_6/.ptodata/1/ina/backfile1.seq:*	Sequence 6, Appli

Run on:	July 5, 2005, 10:51:06 ; Search time 104.722 Seconds (without alignments)	2265.614 Million cell updates/sec
Title:	US-10-620-039-1	
Perfect score:	145	
Sequence:	1 TTGGCCACTCCCTCTGCG.....CTCCATCACTAGGGCTTCCT 145	
Scoring table:	IDENTITY_NUC	
Gapop 10.0 , Gapext 1.0		
Searched:	1202784 seqs, 81813859 residues	
Total number of hits satisfying chosen parameters:	2405568	
Minimum DB seq length: 0		
Maximum DB seq length: 2000000000		
Post-processing: Minimum Match 0% Maximum Match 100%		
Listing first 300 summaries		
Database :	Issued Patents NA: *	Description
	1: /cgns2_6/.ptodata/1/ina/5A_COMB.seq:*	Sequence 1, Appli
	2: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 2, Appli
	3: /cgns2_6/.ptodata/1/ina/5A_COMB.seq:*	Sequence 3, Appli
	4: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 4, Appli
	5: /cgns2_6/.ptodata/1/ina/PCTUS.COMB.seq:*	Sequence 5, Appli
	6: /cgns2_6/.ptodata/1/ina/backfile1.seq:*	Sequence 6, Appli

Run on:	July 5, 2005, 10:51:06 ; Search time 104.722 Seconds (without alignments)	2265.614 Million cell updates/sec
Title:	US-10-620-039-1	
Perfect score:	145	
Sequence:	1 TTGGCCACTCCCTCTGCG.....CTCCATCACTAGGGCTTCCT 145	
Scoring table:	IDENTITY_NUC	
Gapop 10.0 , Gapext 1.0		
Searched:	1202784 seqs, 81813859 residues	
Total number of hits satisfying chosen parameters:	2405568	
Minimum DB seq length: 0		
Maximum DB seq length: 2000000000		
Post-processing: Minimum Match 0% Maximum Match 100%		
Listing first 300 summaries		
Database :	Issued Patents NA: *	Description
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	2: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 2, Appli
	3: /cgns2_6/.ptodata/1/ina/5A_COMB.seq:*	Sequence 3, Appli
	4: /cgns2_6/.ptodata/1/ina/5B_COMB.seq:*	Sequence 4, Appli
	5: /cgns2_6/.ptodata/1/ina/PCTUS.COMB.seq:*	Sequence 5, Appli
	6: /cgns2_6/.ptodata/1/ina/backfile1.seq:*	Sequence 6, Appli

c 101	110	75.9	10398	2	US-08-836-087-1	Sequence 1, Appli	Sequence 10, Appli	US-08-471-914-10
c 102	110	75.9	10398	3	US-09-246-320-1	Sequence 1, Appli	Sequence 1, Appli	US-08-471-914-9
c 103	110	75.9	10398	3	US-09-246-320-1	Sequence 1, Appli	Sequence 1, Appli	US-08-471-914-9
c 104	110	75.9	10398	3	US-09-242-743-1	Sequence 1, Appli	Sequence 1, Appli	US-08-808-346-1
c 105	110	75.9	10398	3	US-09-242-743-1	Sequence 1, Appli	Sequence 1, Appli	US-07-590-173-12
c 106	110	75.9	10398	3	US-09-546-738-1	Sequence 1, Appli	Sequence 1, Appli	US-08-147-023-26
c 107	110	75.9	10398	3	US-09-546-738-1	Sequence 1, Appli	Sequence 1, Appli	US-08-228-729A-22
c 108	110	75.9	10398	3	US-09-546-738-1	Sequence 1, Appli	Sequence 1, Appli	US-08-480-538A-9
c 109	110	75.9	10398	3	US-09-523-726-1	Sequence 1, Appli	Sequence 1, Appli	US-08-479-666-9
c 110	110	75.9	10398	3	US-09-523-726-1	Sequence 1, Appli	Sequence 1, Appli	US-08-155-343A-22
c 111	110	75.9	10398	3	US-09-470-618-13	Sequence 1, Appli	Sequence 1, Appli	US-08-406-672-22
c 112	110	75.9	10398	3	US-09-470-618-13	Sequence 1, Appli	Sequence 1, Appli	US-08-643-663A-22
c 113	110	75.9	10398	3	US-09-364-862-13	Sequence 1, Appli	Sequence 1, Appli	US-08-901-200A-9
c 114	109.8	75.7	10398	3	US-09-364-862-13	Sequence 2, Appli	Sequence 2, Appli	US-08-447-570-26
c 115	109	75.2	505	3	US-09-394-110A-2	Sequence 3, Appli	Sequence 3, Appli	US-08-643-763A-22
c 116	109	75.2	505	3	US-09-276-625-3	Sequence 3, Appli	Sequence 3, Appli	US-08-462-623-22
c 117	108	74.5	174	3	US-09-216-625-3	Sequence 4, Appli	Sequence 4, Appli	US-08-451-953A-22
c 118	108	74.5	7015	3	US-09-702-573-2	Sequence 5, Appli	Sequence 5, Appli	US-08-459-467-7
c 119	108	74.5	7015	3	US-09-770-315-1	Sequence 6, Appli	Sequence 6, Appli	US-08-445-468A-22
c 120	108	74.5	5585	3	US-09-770-315-1	Sequence 7, Appli	Sequence 7, Appli	US-08-901-200A-9
c 121	108	74.5	7557	3	US-09-770-315-3	Sequence 8, Appli	Sequence 8, Appli	US-08-447-570-26
c 122	107.4	74.1	4718	4	US-09-807-802A-1	Sequence 9, Appli	Sequence 9, Appli	US-08-449-639A-26
c 123	105.8	73.0	4683	4	US-09-807-802A-1	Sequence 10, Appli	Sequence 10, Appli	US-08-451-953A-22
c 124	105	72.4	345	3	US-09-776-625-9	Sequence 11, Appli	Sequence 11, Appli	US-08-459-467-7
c 125	105	72.4	5585	3	US-08-305-221-1	Sequence 12, Appli	Sequence 12, Appli	US-08-402-542-7
c 126	105	72.4	5585	4	US-09-000-003A-1	Sequence 13, Appli	Sequence 13, Appli	US-08-278-730A-22
c 127	100.8	69.5	174	3	US-09-770-315-3	Sequence 14, Appli	Sequence 14, Appli	US-08-901-200A-9
c 128	100.8	69.5	4767	3	US-09-532-594B-1	Sequence 15, Appli	Sequence 15, Appli	US-08-449-639A-26
c 129	99.4	68.6	4718	4	US-09-807-802A-1	Sequence 16, Appli	Sequence 16, Appli	US-08-451-953A-22
c 130	97.8	67.4	145	1	US-07-889-917A-1	Sequence 17, Appli	Sequence 17, Appli	US-08-402-542-7
c 131	97.8	67.4	145	3	US-08-702-573-4	Sequence 18, Appli	Sequence 18, Appli	US-08-461-113-22
c 132	97.8	67.4	145	3	US-07-982-193-1	Sequence 19, Appli	Sequence 19, Appli	US-08-445-467-7
c 133	93.6	64.6	194	3	US-08-702-573-2	Sequence 20, Appli	Sequence 20, Appli	US-08-443-331-21
c 134	93	64.1	145	1	US-09-532-594B-1	Sequence 21, Appli	Sequence 21, Appli	US-09-219-391-9
c 135	93	64.1	145	2	US-08-738A-6	Sequence 22, Appli	Sequence 22, Appli	US-09-148-915C-26
c 136	91.4	64.1	145	3	US-08-471-914-6	Sequence 23, Appli	Sequence 23, Appli	US-09-140-916-26
c 137	91.4	63.0	125	3	US-09-532-594B-6	Sequence 24, Appli	Sequence 24, Appli	US-08-402-542-7
c 138	90.6	62.5	345	3	US-07-982-193-1	Sequence 25, Appli	Sequence 25, Appli	US-08-278-730A-22
c 139	86.8	59.9	7744	3	US-08-702-573-5	Sequence 26, Appli	Sequence 26, Appli	US-08-451-953A-22
c 140	83.8	57.8	122	1	US-07-989-811A-6	Sequence 27, Appli	Sequence 27, Appli	US-08-451-953A-22
c 141	83.8	54.1	4767	3	US-09-532-594B-1	Sequence 28, Appli	Sequence 28, Appli	US-08-451-953A-22
c 142	78.4	54.1	7744	4	US-10-870-14	Sequence 29, Appli	Sequence 29, Appli	US-08-451-953A-22
c 143	77	53.1	125	3	US-09-532-594B-6	Sequence 30, Appli	Sequence 30, Appli	US-08-451-953A-22
c 144	72.6	50.1	149	3	US-09-276-623-9	Sequence 31, Appli	Sequence 31, Appli	US-08-451-953A-22
c 145	72.6	50.1	149	3	US-08-711-914-13	Sequence 32, Appli	Sequence 32, Appli	US-08-451-953A-22
c 146	71.8	49.5	300	3	US-09-276-625-5	Sequence 33, Appli	Sequence 33, Appli	US-08-451-953A-22
c 147	70.6	48.7	135	3	US-08-753-1	Sequence 34, Appli	Sequence 34, Appli	US-08-451-953A-22
c 148	68.6	47.3	135	3	US-09-276-625-11	Sequence 35, Appli	Sequence 35, Appli	US-08-451-953A-22
c 149	68	46.9	135	3	US-08-702-573-1	Sequence 36, Appli	Sequence 36, Appli	US-08-451-953A-22
c 150	59.8	41.2	73	3	US-08-723-6	Sequence 37, Appli	Sequence 37, Appli	US-08-451-953A-22
c 151	67	46.2	73	3	US-08-702-573-7	Sequence 38, Appli	Sequence 38, Appli	US-08-451-953A-22
c 152	64.4	44.4	129	3	US-09-532-594B-20	Sequence 39, Appli	Sequence 39, Appli	US-08-451-953A-22
c 153	63.4	43.3	129	3	US-09-623-622-13	Sequence 40, Appli	Sequence 40, Appli	US-08-451-953A-22
c 154	62.2	42.9	139	3	US-08-711-914-8	Sequence 41, Appli	Sequence 41, Appli	US-08-451-953A-22
c 155	60.6	41.8	316	3	US-09-276-625-11	Sequence 42, Appli	Sequence 42, Appli	US-08-451-953A-22
c 156	59.8	41.2	276	3	US-08-711-914-12	Sequence 43, Appli	Sequence 43, Appli	US-08-451-953A-22
c 157	59	40.7	132	1	US-08-908-949A-7	Sequence 44, Appli	Sequence 44, Appli	US-08-451-953A-22
c 158	57.8	39.9	73	3	US-08-471-914-10	Sequence 45, Appli	Sequence 45, Appli	US-08-451-953A-22
c 159	56.6	39.0	129	3	US-09-532-594B-20	Sequence 46, Appli	Sequence 46, Appli	US-08-451-953A-22
c 160	54.8	37.8	120	1	US-08-308-942A-3	Sequence 47, Appli	Sequence 47, Appli	US-08-451-953A-22
c 161	54.6	37.7	123	3	US-08-471-914-9	Sequence 48, Appli	Sequence 48, Appli	US-08-451-953A-22
c 162	53.4	36.8	113	3	US-08-471-914-12	Sequence 49, Appli	Sequence 49, Appli	US-08-451-953A-22
c 163	52.2	36.0	310	3	US-09-276-625-13	Sequence 50, Appli	Sequence 50, Appli	US-08-451-953A-22
c 164	50.6	34.9	129	3	US-08-702-573-6	Sequence 51, Appli	Sequence 51, Appli	US-08-451-953A-22
c 165	49.6	34.9	73	3	US-08-702-573-7	Sequence 52, Appli	Sequence 52, Appli	US-08-451-953A-22
c 166	47.7	32.4	48	3	US-08-702-573-9	Sequence 53, Appli	Sequence 53, Appli	US-08-451-953A-22
c 167	44.4	30.6	282	3	US-09-276-625-8	Sequence 54, Appli	Sequence 54, Appli	US-08-451-953A-22
c 168	43.8	30.2	139	3	US-08-471-914-7	Sequence 55, Appli	Sequence 55, Appli	US-08-451-953A-22
c 169	43	29.7	50	3	US-08-702-573-10	Sequence 56, Appli	Sequence 56, Appli	US-08-451-953A-22
c 170	42.8	29.5	276	3	US-09-276-625-10	Sequence 57, Appli	Sequence 57, Appli	US-08-451-953A-22
c 171	41.8	28.8	46	3	US-08-702-573-9	Sequence 58, Appli	Sequence 58, Appli	US-08-451-953A-22
c 172	40.4	27.9	120	1	US-08-308-942A-3	Sequence 59, Appli	Sequence 59, Appli	US-08-451-953A-22
c 173	39	26.9	132	1	US-08-908-945A-7	Sequence 60, Appli	Sequence 60, Appli	US-08-451-953A-22

247	31.6	21.8	112222	4	US-09-949-016-14324	Sequence 14324, A
248	31.6	21.8	113186	4	US-09-949-016-14324	Sequence 17579, A
249	31.4	21.7	405	4	US-09-252-991A-12879	Sequence 12879, A
250	31.4	21.7	951	4	US-09-252-991A-5883	Sequence 5883, A <sup>1</sup>
251	31.4	21.7	978	4	US-09-252-991A-13236	Sequence 13236, A
252	31.4	21.7	1263	4	US-09-252-991A-5949	Sequence 5949, A <sup>1</sup>
253	31.4	21.7	2532	4	US-09-252-991A-12912	Sequence 12912, A
254	30.8	21.7	158019	4	US-09-949-016-13690	Sequence 13690, A
255	31.4	21.7	74468	4	US-09-949-016-15006	Sequence 15006, A
256	31.4	21.7	17221	4	US-09-949-016-17493	Sequence 17493, A
257	31.2	21.4	3289	4	US-09-587-451	Sequence 1, Appli
258	31	21.4	44	4	US-09-355-221-5	Sequence 5, Appli
259	31	21.4	1581	4	US-09-489-039A-7171	Sequence 7171, A <sup>1</sup>
260	26.6	21.2	158019	4	US-09-949-016-13690	Sequence 13690, A
261	30.6	21.1	74468	4	US-09-949-016-16029	Sequence 16029, A
262	30.4	21.0	81701	4	US-09-949-016-14891	Sequence 14891, A
263	30.4	21.0	94855	4	US-09-949-016-12664	Sequence 12664, A
264	30.2	20.8	21490	4	US-09-949-016-14168	Sequence 14168, A
265	30.2	20.8	25709	4	US-09-949-016-13338	Sequence 13338, A
266	30.2	20.8	4403765	3	US-09-103-840A-72	Sequence 2, Appli
267	29.8	20.6	597	4	US-09-252-991A-9740	Sequence 9740, A <sup>1</sup>
268	29.8	20.6	601	4	US-09-949-016-55143	Sequence 55143, A
269	29.8	20.6	1008	4	US-09-252-991A-9548	Sequence 9548, A <sup>1</sup>
270	29.8	20.6	2028	4	US-09-949-016-2675	Sequence 2675, A <sup>1</sup>
271	29.8	20.6	2082	4	US-09-252-991A-9500	Sequence 9500, A <sup>1</sup>
272	29.8	20.6	36223	4	US-09-949-016-14417	Sequence 14417, A
273	29.6	20.4	2466	4	US-09-902-540-482	Sequence 482, A <sup>1</sup>
274	29.6	20.4	3492	4	US-09-949-016-837	Sequence 837, A <sup>1</sup>
275	29.6	20.4	11662	4	US-09-949-016-16978	Sequence 16978, A
276	29.6	20.4	141562	4	US-09-949-016-16476	Sequence 16476, A
277	29.4	20.3	1500	3	US-09-593-711A-10	Sequence 10, Appli
278	29.4	20.3	2290	4	US-09-016-434-33-68	Sequence 1368, A <sup>1</sup>
279	29.4	20.3	2536	4	US-09-919-039-5	Sequence 5, Appli
280	29.4	20.3	8625	4	US-09-949-016-16566	Sequence 16566, A
281	29.4	20.3	15632	4	US-09-949-016-15119	Sequence 15119, A
282	29.4	20.3	129327	4	US-09-949-016-12257	Sequence 12257, A
283	29.4	20.3	129327	4	US-09-949-016-15368	Sequence 15368, A
284	29.2	20.1	1008	4	US-09-902-540-7946	Sequence 7946, A <sup>1</sup>
285	29.2	20.1	2169	4	US-09-252-991A-7531	Sequence 7531, A <sup>1</sup>
286	29.2	20.1	5536	4	US-09-902-540-803	Sequence 803, A <sup>1</sup>
287	29.2	20.1	16044	4	US-09-949-016-16138	Sequence 16138, A
288	29.2	20.1	767677	4	US-09-949-016-12147	Sequence 12147, A
289	29.2	20.1	767677	4	US-09-949-016-17361	Sequence 17361, A <sup>1</sup>
290	29.2	20.1	4403765	3	US-09-103-840A-2	Sequence 2, Appli
291	29.2	20.1	4411526	3	US-09-103-840A-1	Sequence 37, A <sup>1</sup>
292	29	20.0	240	4	US-09-169-768-37	Sequence 511, Appli
293	29	20.0	294	4	US-09-252-991A-511	Sequence 122400, A <sup>1</sup>
294	29	20.0	601	4	US-09-949-016-122400	Sequence 122401, A <sup>1</sup>
295	29	20.0	601	4	US-09-949-016-122401	Sequence 9272, A <sup>1</sup>
296	29	20.0	627	4	US-09-902-540-1272	Sequence 545, A <sup>1</sup>
297	29	20.0	705	4	US-09-252-991A-545	Sequence 3, Appli
298	29	20.0	1818	4	US-09-731-166-3	Sequence 3736, A <sup>1</sup>
299	29	20.0	2235	4	US-09-949-016-7736	Sequence 160, A <sup>1</sup>
300	29	20.0	2487	4	US-09-620-312D-160	Sequence 2487, A <sup>1</sup>

TITIMENTES

RESULT 1  
S-07-789-917A-1  
Sequence 1, Application US/07789917A  
Patent No. 5232479

GENERAL INFORMATION:  
APPLICANT: Srivastava, Arun  
TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Scully, Scott, Murphy  
PRESSER  
STREET: 400 Garden City Plaza  
CITY: Garden City  
STATE: New York  
COUNTRY: USA

STREET: 500 Arcola Rd. 3C43  
CITY: Collegeville  
STATE: PA  
COUNTRY: USA  
ZIP: 19426

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/702,573  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: FR 94/02445  
 FILING DATE: 03-MAR-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/FR95/00233  
 FILING DATE: 28-FEB-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Smith Ph.D., Julie K.  
 REGISTRATION NUMBER: 38,619  
 REFERENCE/DOCKET NUMBER: SP94011-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (610) 454-3808  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: other nucleic acid  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: 1..145  
 OTHER INFORMATION: /note= "Minimal ITR Sequence"  
 US-08-702-573-4

Query Match Score 145; DB 3; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 4e-31; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 3  
 US-07-982-193-1  
 Patent No. 621934  
 GENERAL INFORMATION:  
 APPLICANT: Srivastava, Arun  
 TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
 NUMBER OF SEQUENCES: 2  
 CURRENT APPLICATION DATA:  
 ADDRESSEE: Scully, Scott, Murphy & Presser  
 STREET: 400 Garden City Plaza  
 CITY: Garden City  
 STATE: New York  
 ZIP: 11530  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/982,193  
 FILING DATE: 1992-12-05  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: McNulty, William E.  
 REGISTRATION NUMBER: 22,606  
 REFERENCE/DOCKET NUMBER: 8361  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (516) 742-4343  
 TELEFAX: (516) 742-4366

TELEX: 230 901 SANS UR  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 base pairs  
 TYPE: NUCLEIC ACID  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-07-982-193-1

Query Match Score 145; DB 3; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 4e-31; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4  
 US-07-982-841A-1  
 Sequence 1, Application US/07989841A  
 Patent No. 5478745  
 GENERAL INFORMATION:  
 APPLICANT: Xiao, X.  
 APPLICANT: Samulski, R. J.  
 APPLICANT: Recombinant Viral Vector System  
 NUMBER OF SEQUENCES: 6  
 CURRENT APPLICATION DATA:  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/989,841A  
 FILING DATE: On even date herewith  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Coruzzi, Laura A.  
 REGISTRATION NUMBER: 30,742  
 REFERENCE/DOCKET NUMBER: 6636-013  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-0090  
 TELEFAX: (212) 869-8864/9741  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 165 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: unknown  
 MOLECULE TYPE: DNA (genomic)  
 US-07-989-841A-1

Query Match Score 145; DB 1; Length 165;  
 Best Local Similarity 100.0%; Pred. No. 4.e-31; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGCCCCGCTCACTGAGCCAAAGTCGCC 60  
 Db 21 TTGGCCACTCCCTCTGCCCCGCTCACTGAGCCAAAGTCGCC 80

Qy 61 CGACGCCGGCTTGCCTGGGGCGCCCTCACTGAGGAGGGACTG 120  
 Db 81 CGACGCCGGCTTGCCTGGGGCGCCCTCACTGAGGAGGGACTG 140

Qy 121 GCCAATCTCATCACTAGGGTTCT 145  
 Db 141 GCCAATCTCATCACTAGGGTTCT 165

RESULT 5  
 US-08-440-738A-1  
 Sequence 1, Application US/08440738A  
 GENERAL INFORMATION:  
 Patent No. 5869105  
 APPLICANT: Samulski, R. J.  
 APPLICANT: Xiao, X.  
 TITLE OF INVENTION: Recombinant Viral Vector System  
 NUMBER OF SEQUENCES: 6  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/440,738A  
 FILING DATE: May 15, 1995  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Coruzzi, Laura A.  
 REGISTRATION NUMBER: 30,742  
 REFERENCE/DOCKET NUMBER: 6636-022  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 869-9090  
 TELEFAX: (212) 869-8864/9741  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 165 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: unknown  
 MOLECULE TYPE: DNA (genomic)  
 US-08-440-738A-1

Query Match 100.0%; Score 145; DB 2; Length 165;  
 Best Local Similarity 100.0%; Pred. No. 4.1e-31;  
 Matches 145; Conservative 0; Indels 0; Gaps 0;  
 TYPE: DNA  
 ORGANISM: Unknown

Qy 1 TTGGCCACTCCCTCTGCCCCGCTCACTGAGGAGGGACTG 120  
 Db 21 TTGGCCACTCCCTCTGCCCCGCTCACTGAGGAGGGACTG 140

Qy 61 CGAGGCCGGCTTGCCTGGGGCGCCCTCACTGAGGAGGGACTG 60  
 Db 81 CGAGGCCGGCTTGCCTGGGGCGCCCTCACTGAGGAGGGACTG 80

Qy 121 GCCAATCTCATCACTAGGGTTCT 145  
 Db 141 GCCAATCTCATCACTAGGGTTCT 165

RESULT 6

Db 81 CGACGCCGGCTTGGCGGGCTCACTGAGCGAGCGAGAGGGAGTG 140  
 Qy 121 GCAACTCATCACTAGGGTCT 145  
 Db 141 GCAACTCATCACTAGGGTCT 165

## RESULT 8

US-08-254-358-1

Sequence 1, Application US/08254358

Patent No. 5638785

## GENERAL INFORMATION:

APPLICANT: Johnson, Philip R.

TITLE OF INVENTION: Adeno-Associated Virus Materials and

NUMBER OF SEQUENCES: 3

TITLE OF INVENTION: Methods

NUMBER OF SEQUENCES: 3

CURRENT APPLICATION DATA:

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &amp; Borun

STREET: 6300 Sears Tower, 233 S. Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/254,358

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254,358

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

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APPLICATION NUMBER: US/08/254-358-1

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REFERENCE/DOCKET NUMBER: 31975

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TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3856

TELECOMUNICATION INFORMATION:

APPLICATION NUMBER: US/08/254-358-1

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5638785and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE

COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION NUMBER: US/08/709, 609  
 FILING DATE:  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: No. 5858775 and, Greta E.  
 REFERENCE/DOCKET NUMBER: 35-302  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (312) 474-6300  
 TELEFAX: (312) 474-0448  
 TELEX: 25-3856  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 4680 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-08-709-609-1

Query Match 100.0%; Score 145; DB 2; Length 4680;  
 Best Local Similarity 100.0%; Pred. No. 5.7e-31;  
 Matches 145; Conservative 0; N mismatches 0; Indels 0; Gaps 0;

RESULT 11  
 Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTGCTGAGGCCGACCAAGGTCCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTGCTGAGGCCGACCAAGGTCCC 60  
 Qy 61 CGAGGCCGGCTTGCCTGGGGCCCTAGTGGGGCCAGGGACTG 120  
 Db 61 CGAGGCCGGCTTGCCTGGGGCCCTAGTGGGGCCAGGGACTG 120  
 Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 121 GCCAACTCCATCACTAGGGTTCT 145

RESULT 12  
 Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTGCTGAGGCCGACCAAGGTCCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTGCTGAGGCCGACCAAGGTCCC 60  
 Qy 61 CGAGGCCGGCTTGCCTGGGGCCCTAGTGGGGCCAGGGACTG 120  
 Db 61 CGAGGCCGGCTTGCCTGGGGCCCTAGTGGGGCCAGGGACTG 120  
 Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 121 GCCAACTCCATCACTAGGGTTCT 145

RESULT 13  
 Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTGCTGAGGCCGACCAAGGTCCC 60  
 Db 1 TTGGCCACTCCCTCTCGCGCTCGCTGCTGAGGCCGACCAAGGTCCC 60  
 Qy 61 CGAGGCCGGCTTGCCTGGGGCCCTAGTGGGGCCAGGGACTG 120  
 Db 61 CGAGGCCGGCTTGCCTGGGGCCCTAGTGGGGCCAGGGACTG 120  
 Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 121 GCCAACTCCATCACTAGGGTTCT 145

```

APPLICANT: Xiao, Weidong
TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
FILE REFERENCE: GNPVN.031USA
CURRENT APPLICATION NUMBER: US/09/807,802A
CURRENT FILING DATE: 2002-02-21
PRIORITY NUMBER: US 60/107,114
PRIOR APPLICATION NUMBER: PCT/US99/25694
PRIOR FILING DATE: 1998-11-05
PRIORITY NUMBER: PCT/US99/25694
PRIOR FILING DATE: 1998-11-02
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 19
LENGTH: 4683
TYPE: DNA
ORGANISM: AAV-6
US-09-807-802A-19

Query Match Score 145; DB 4; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.7e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 61 CGACGCCGGCTTTGCCGGGGCTTCACTGAGGAGGGCTTCACTGAGGAGGGAGTG 120
Db 61 CGACGCCGGCTTTGCCGGGGCTTCACTGAGGAGGGCTTCACTGAGGAGGGAGTG 120

RESULT 14
US-09-299-141-4
; Sequence 4, Application US/09299141
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 5932
; SEQ ID NO: 4
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-09-299-141-4

Query Match Score 145; DB 3; Length 5932;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 18 TTGGCACTCCCTCTGGCGCTCGTGTGCTCACTGAGGAGGGAGCAAGGTGCC 60
Db 18 TTGGCACTCCCTCTGGCGCTCGTGTGCTCACTGAGGAGGGAGCAAGGTGCC 77

RESULT 15
US-09-299-141-8
; Sequence 4, Application US/09299141
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 6142
; SEQ ID NO: 8
; OTHER INFORMATION: Description of Artificial Sequence:p43m8NC-AT
US-09-299-141-8

Query Match Score 145; DB 3; Length 6142;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 78 CGACGCCGGCTTTGCCGGGGCTTCACTGAGGAGGGAGCAAGGTGCC 60
Db 78 CGACGCCGGCTTTGCCGGGGCTTCACTGAGGAGGGAGCAAGGTGCC 137
Db 78 CGACGCCGGCTTTGCCGGGGCTTCACTGAGGAGGGAGCAAGGTGCC 137

RESULT 16
US-09-299-141-9
; Sequence 8, Application US/09299141
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 6142
; SEQ ID NO: 8
; OTHER INFORMATION: Description of Artificial Sequence:p43m8NC-AT
US-09-299-141-9

Query Match Score 145; DB 3; Length 6142;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 61 CGACGCCGGCTTTGCCGGGGCTTCACTGAGGAGGGAGCAAGGTGCC 60
Db 61 CGACGCCGGCTTTGCCGGGGCTTCACTGAGGAGGGAGCAAGGTGCC 77

```



SOFTWARE: Patent In Release 1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08-893,327  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/588,201  
FILING DATE: 18-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Kitchell, Barbara S.  
REGISTRATION NUMBER: 33,928  
REFERENCE/DOCKET NUMBER: UFLA:062\KIT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (512) 418-3000  
TELEFAX: (713) 789-2679  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 623 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 988..1701  
3-08-893-327-15  
Query Match 100.0%; Score 145; DB 3; 1  
Best Local Similarity 100.0%; Pred. No. 5.9e-11;  
Matches 145; Conservative 0; Mismatches 0;  
1 TTGGCCACTCCCTCTGGCTCGCTCGTCACTAGGG  
1 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
3400 TTGGCCACTCCCTCTGGCTCGCTCGTCACTAGGG  
0 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
61 CGAGCGCCGGCTTGGCCGGGGCTCAGTGAGCGCC  
0 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
3340 CGAGCGCCGGCTTGGCCGGGGCTCAGTGAGCGCC  
0 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
121 GCGGACTCCATCACTAGGGTCTCT 145  
0 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
3280 GCGGACTCCATCACTAGGGTCTCT 3256  
0 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
3-08-893-327-17  
Sequence 17, Application US/08893327  
Patent No. 6,020,92  
GENERAL INFORMATION:  
APPLICANT: Zolotukhin, Sergei  
APPLICANT: Hauswirth, William W.  
APPLICANT: Muzycka, Nichols  
TITLE OF INVENTION: Humanized Green Fluorescent Protein  
TITLE OF INVENTION: Genes and Methods  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P. O. Box 4433  
CITY: Houston  
STATE: TX  
COUNTRY: USA  
ZIP: 77210-4433  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08-893,327  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/588,201  
FILING DATE: 18-JAN-1996

SEQUENCE CHARACTERISTICS:  
 LENGTH: 6280 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 988 .1728

Query Match Score 145; DB 3; Length 6280;  
 Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGCCACTCCCTCTCGCGCTCGCTGCGTCACTGGCCGGCCACAAAGTGGCC 60  
 Db 19 TGGCCACTCCCTCTCGCGCTCGCTGCGTCACTGGCCGGCCACAAAGTGGCC 78

Query Match Score 145; DB 3; Length 6280;  
 Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGCCACTCCCTCTCGCGCTCGCTGCGTCACTGGCCGGCCACAAAGTGGCC 60  
 Db 79 CGAGCCGGCTTGCCGGCCAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGC 120

Query Match Score 145; DB 3; Length 6280;  
 Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGCCACTCCCTCTCGCGCTCGCTGCGTCACTGGCCGGCCACAAAGTGGCC 60  
 Db 79 CGAGCCGGCTTGCCGGCCAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGC 138

Query Match Score 145; DB 3; Length 6280;  
 Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGCCACTCCCTCTCGCGCTCGCTGCGTCACTGGCCGGCCACAAAGTGGCC 60  
 Db 139 GCGAACCTCCATCACTAGGGTTCT 145

RESULT 23  
 US-08-893-327-19/c  
 Sequence 19, Application US/08893327  
 Patent No. 6020192

GENERAL INFORMATION:  
 APPLICANT: Zolotukhin, Sergei W.  
 ATTORNEY/AGENT INFORMATION:  
 Mazycka, Nicholas W.  
 TITLE OF INVENTION: Humanized Green Fluorescent Protein  
 NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Arnold, White & Durkee  
 STREET: P. O. Box 4433  
 CITY: Houston  
 STATE: TX  
 COUNTRY: USA  
 ZIP: 77210-4433

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/893,327  
 FILING DATE:  
 CLASSIFICATION: 514  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/588,201  
 FILING DATE: 18-JAN-1996

ATTORNEY/AGENT INFORMATION:  
 NAME: Kitchell, Barbara S.  
 REGISTRATION NUMBER: 33,928  
 REFERENCE/DOCKET NUMBER: UFLA:062\KIT

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (512) 411-3000  
 TELEFAX: (713) 789-2679  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 6280 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 988 .1728

Query Match Score 145; DB 3; Length 6280;  
 Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGGCCACTCCCTCTCGCGCTCGCTGCGTCACTGGCCGGCCACAAAGTGGCC 60  
 US-08-893-327-19  
 Sequence 19, Application US/08893327  
 Patent No. 6020192

GENERAL INFORMATION:  
 APPLICANT: Hauswirth, William W.  
 ATTORNEY/AGENT INFORMATION:  
 Mazycka, Nicholas W.  
 TITLE OF INVENTION: Humanized Green Fluorescent Protein  
 NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Arnold, White & Durkee  
 STREET: P. O. Box 4433  
 CITY: Houston  
 STATE: TX  
 COUNTRY: USA  
 ZIP: 77210-4433

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/893,327  
 FILING DATE:  
 CLASSIFICATION: 514  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/588,201  
 FILING DATE: 18-JAN-1996

ATTORNEY/AGENT INFORMATION:  
 NAME: Kitchell, Barbara S.  
 REGISTRATION NUMBER: 33,928  
 REFERENCE/DOCKET NUMBER: UFLA:062\KIT

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (512) 411-3000  
 TELEFAX: (713) 789-2679  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 6280 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 988 .1728

Db 3427 TTGGCCACTCCCTCTGGGGCTCGTCACTGAGGCCAAAGGTGCC 3368  
 Qy 61 CGACGCCGGCTTGGGCTCGGCGCTCACTGAGGCCAAAGGTGCC 120  
 Db 3367 CGACGCCGGCTTGGGCTCGGCGCTCACTGAGGCCAAAGGTGCC 3308  
 Qy 121 GCCAATCTCATCACTAGGGTCT 145  
 Db 3307 GCCAATCTCATCACTAGGGTCT 3283

RESULT 24  
 ; Sequence 1, Application US/09299141  
 ; General Information:  
 ; Patent No. 6461606  
 ; Applicant: FLOTTE, TERENCE R.  
 ; Applicant: SONG, SIHONG  
 ; Applicant: BYRNE, BARRY J.  
 ; Applicant: MORGAN, MICHAEL  
 ; Title of Invention: MATERIALS AND METHODS FOR GENE THERAPY  
 ; File Reference: 4300\_011800  
 ; Current Application Number: US/09/299,141  
 ; Current Filing Date: 1999-04-23  
 ; Earlier Application Number: 60/083,025  
 ; Earlier Filing Date: 1998-04-24  
 ; Number of Seq ID Nos: 13  
 ; Software: PatentIn Ver. 2.0  
 ; Seq ID No: 1  
 ; Length: 6565  
 ; Type: DNA  
 ; Organism: Artificial Sequence  
 ; Feature:  
 ; Other Information: Description of Artificial Sequence:PLASMID C-AT  
 ; US-09-299-141-1

Query Match 1 TTGGCCACTCCCTCTGGGGCTCGTCACTGAGGCCAAAGGTGCC 60  
 Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 TTGGCCACTCCCTCTGGGGCTCGTCACTGAGGCCAAAGGTGCC 78  
 Db 79 CGACGCCGGCTTGGGCTCACTGAGGCCAAAGGTGCC 120  
 Qy 61 CGACGCCGGCTTGGGCTCACTGAGGCCAAAGGTGCC 138  
 Db 139 GCCAATCTCATCACTAGGGTCT 163

RESULT 25  
 ; Sequence 1, Application US/09299141  
 ; Patent No. 6461606  
 ; General Information:  
 ; Applicant: FLOTTE, TERENCE R.  
 ; Applicant: SONG, SIHONG  
 ; Applicant: BYRNE, BARRY J.  
 ; Applicant: MORGAN, MICHAEL  
 ; Title of Invention: MATERIALS AND METHODS FOR GENE THERAPY  
 ; File Reference: 4300\_011800  
 ; Current Application Number: US/09/299,141  
 ; Current Filing Date: 1999-04-23  
 ; Earlier Application Number: 60/083,025  
 ; Earlier Filing Date: 1998-04-24  
 ; Number of Seq ID Nos: 13  
 ; Software: PatentIn Ver. 2.0  
 ; Seq ID No: 1  
 ; Length: 6565  
 ; Type: DNA  
 ; Organism: Artificial Sequence  
 ; Feature:  
 ; Other Information: Description of Artificial Sequence:PLASMID  
 ; US-09-299-141-1/c

Query Match 1 TTGGCCACTCCCTCTGGGGCTCGTCACTGAGGCCAAAGGTGCC 60  
 Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 18 TTGGCCACTCCCTCTGGGGCTCGTCACTGAGGCCAAAGGTGCC 77  
 Db 78 CGACGCCGGCTTGGGCTCACTGAGGCCAAAGGTGCC 137  
 Qy 121 GCCAATCTCATCACTAGGGTCT 145  
 Db 138 GCCAATCTCATCACTAGGGTCT 162

RESULT 27  
 ; Sequence 6, Application US/09299141  
 ; Patent No. 6461606  
 ; General Information:  
 ; Applicant: FLOTTE, TERENCE R.  
 ; Applicant: SONG, SIHONG  
 ; Applicant: BYRNE, BARRY J.  
 ; Applicant: MORGAN, MICHAEL  
 ; Title of Invention: MATERIALS AND METHODS FOR GENE THERAPY  
 ; File Reference: 4300\_011800  
 ; Current Application Number: US/09/299,141  
 ; Current Filing Date: 1999-04-23  
 ; Earlier Application Number: 60/083,025  
 ; Earlier Filing Date: 1998-04-24  
 ; Number of Seq ID Nos: 13  
 ; Software: PatentIn Ver. 2.0  
 ; Seq ID No: 1  
 ; Length: 6565  
 ; Type: DNA

APPLICANT: MORGAN, MICHAEL  
 TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 FILE REFERENCE: 4300-011800  
 CURRENT FILING DATE: 1999-04-23  
 EARLIER FILING DATE: 1998-04-24  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 6  
 LENGTH: 6714  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 US-09-299-141-6

Query Match 100.0%; Score 145; DB 3; Length 6714;  
 Best Local Similarity 100.0%; Pred. No. 5.9e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO 1 TTGGCCACTCCCTCTCGCGCTGCTGCTACTGAGGCCGGGACAAAGGTGCC 60  
 Db 3860 TTGGCCACTCCCTCTCGCGCTGCTGCTACTGAGGCCGGGACAAAGGTGCC 3801  
 Query 61 CGACGCCCGGCTTGCAGGGGGCTTAGTGAGCGAGGAGGGAGT 120  
 Db 3800 CGACGCCCGGCTTGCAGGGGGCTTAGTGAGCGAGGAGGGAGT 3741

Query 121 GCCAACTCCATCACTAGGGTCTCT 145  
 Db 3740 GCCAACTCCATCACTAGGGTCTCT 3716

RESULT 28  
 US-09-299-141-9  
 ; Sequence 9, Application US/09299141  
 ; Patent No. 646,606  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SIHONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; FILE REFERENCE: 4300-011800  
 ; CURRENT FILING DATE: 1999-04-23  
 ; EARLIER FILING DATE: 1998-04-24  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 9  
 ; LENGTH: 6924  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 US-09-299-141-9

Query Match 100.0%; Score 145; DB 3; Length 6924;  
 Best Local Similarity 100.0%; Pred. No. 6e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO 1 TTGGCCACTCCCTCTCGCGCTGCTGCTACTGAGGCCGGGACAAAGGTGCC 60  
 Db 18 TTGGCCACTCCCTCTCGCGCTGCTGCTACTGAGGCCGGGACAAAGGTGCC 77

Query 61 CGACGCCCGGCTTGCAGGGGGCTAGTGAGCGAGGAGGGAGT 120  
 Db 78 CGACGCCCGGCTTGCAGGGGGCTAGTGAGCGAGGAGGGAGT 137

Qy 121 GCCAACTCCATCACTAGGGTCTCT 145  
 Db 138 GCCAACTCCATCACTAGGGTCTCT 162

RESULT 29  
 US-09-299-141-9/c  
 ; Sequence 9, Application US/09299141  
 ; Patent No. 646,606  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SIHONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; FILE REFERENCE: 4300-011800  
 ; CURRENT APPLICATION NUMBER: US/09/299,141  
 ; CURRENT FILING DATE: 1999-04-23  
 ; EARLIER APPLICATION NUMBER: 60/083,025  
 ; EARLIER FILING DATE: 1998-04-24  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0

Qy 121 GCCAACTCCATCACTAGGGTCTCT 145  
 Db 138 GCCAACTCCATCACTAGGGTCTCT 162

OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 US-09-299-141-9

Query Match 100.0%; Score 145; DB 3; Length 6924;  
 Best Local Similarity 100.0%; Pred. No. 6e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO 1 TTGGCCACTCCCTCTCGCGCTGCTGCTACTGAGGCCGGGACAAAGGTGCC 60  
 Db 4070 TTGGCCACTCCCTCTCGCGCTGCTGCTACTGAGGCCGGGACAAAGGTGCC 4011  
 Query 61 CGACGCCCGGCTTGCAGGGGGCTAGTGAGCGAGGAGGGAGT 120  
 Db 4010 CGACGCCCGGCTTGCAGGGGGCTAGTGAGCGAGGAGGGAGT 3951

Query Match 100.0%; Score 145; DB 3; Length 6924;  
 Best Local Similarity 100.0%; Pred. No. 6e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 121 GCCAACTCCATCACTAGGGTCTCT 145  
 Db 3950 GCCAACTCCATCACTAGGGTCTCT 3926

RESULT 30  
 US-09-299-141-10  
 ; Sequence 10, Application US/09299141  
 ; Patent No. 646,606  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FLOTTE, TERENCE R.  
 ; APPLICANT: SONG, SIHONG  
 ; APPLICANT: BYRNE, BARRY J.  
 ; APPLICANT: MORGAN, MICHAEL  
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 ; FILE REFERENCE: 4300-011800  
 ; CURRENT APPLICATION NUMBER: US/09/299,141  
 ; CURRENT FILING DATE: 1999-04-23  
 ; EARLIER APPLICATION NUMBER: 60/083,025  
 ; EARLIER FILING DATE: 1998-04-24  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0

Qy 121 GCCAACTCCATCACTAGGGTCTCT 145  
 Db 3950 GCCAACTCCATCACTAGGGTCTCT 3926

OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 US-09-299-141-9

Query Match 100.0%; Score 145; DB 3; Length 6924;  
 Best Local Similarity 100.0%; Pred. No. 6e-31;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 SEQ ID NO 1 TTGGCCACTCCCTCTCGCGCTGCTGCTACTGAGGCCGGGACAAAGGTGCC 60  
 Db 18 TTGGCCACTCCCTCTCGCGCTGCTGCTACTGAGGCCGGGACAAAGGTGCC 77

OTHER INFORMATION: Description of Artificial Sequence: PLASMID  
 US-09-299-141-10







Db 6399 GCCAACTCCATCACTAGGGTTCCT 6423

RESULT 41  
 US-09-299-141-5/c  
 / Sequence 5, Application US/09299141  
 / PATENT NO. 643106  
 / GENERAL INFORMATION:  
 / APPLICANT: FLOTTE, TERENCE R.  
 / APPLICANT: SONG, SHONG  
 / APPLICANT: MORGAN, MICHAEL  
 / TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY  
 / FILE REFERENCE: 4310-011800  
 / CURRENT APPLICATION NUMBER: US/09/299,141  
 / CURRENT FILING DATE: 1999-04-23  
 / EARLIER APPLICATION NUMBER: 60/083,025  
 / EARLIER FILING DATE: 1998-04-24  
 / NUMBER OF SEQ ID NOS: 13  
 / SOFTWARE: PatentIn Ver. 2.0  
 / SEQ ID NO 5  
 / LENGTH: 7492  
 / TYPE: DNA  
 / ORGANISM: Artificial Sequence  
 / FEATURE: Description of Artificial Sequence:p43C-AT-IN  
 / OTHER INFORMATION: Description of Artificial Sequence:p43C-AT-IN

Query Match 100.0%; Score 145; DB 3; Length 7492;  
 Best Local Similarity 100.0%; Pred. No. 6e-31; Indels 0; Gaps 0;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGGGCCACAAAGGTGCC 60  
 Db 3444 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTAGGGCCACAAAGGTGCC 3385

Qy 61 CGAGCGCCGGGTTGGCGGGGGCTGGCTGCTGGCTCACTAGGGCCACAAAGGTGCC 120  
 Db 3384 CGAGCGCCGGGTTGGCGGGGGCTGGCTGCTGGCTCACTAGGGCCACAAAGGTGCC 3325

Qy 121 GCCAACTCCATCACTAGGGTTCCT 145  
 Db 3324 GCCAACTCCATCACTAGGGTTCCT 3300

RESULT 42  
 US-09-770-315-2  
 / Sequence 2, Application US/09770315  
 / PATENT NO. 6429001  
 / GENERAL INFORMATION:  
 / APPLICANT: Chiron Corporation  
 / TITLE OF INVENTION: Recombinant AAV Packaging Systems  
 / FILE REFERENCE: 20263-501  
 / CURRENT APPLICATION NUMBER: US/09/770,315  
 / CURRENT FILING DATE: 2001-01-26  
 / PRIOR APPLICATION NUMBER: US 60/178,536  
 / PRIOR FILING DATE: 2000-01-26  
 / NUMBER OF SEQ ID NOS: 8  
 / SOFTWARE: Fast-SEQ for Windows Version 3.0  
 / SEQ ID NO 2  
 / LENGTH: 8698  
 / TYPE: DNA  
 / ORGANISM: Unknown  
 / OTHER INFORMATION: recombinant DNA

Query Match 100.0%; Score 145; DB 3; Length 8698;  
 Best Local Similarity 100.0%; Pred. No. 6.1e-31; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCGCGCTCGCTCACTAGGGCCACAAAGGTGCC 60

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/305,221  
 FILING DATE: 12-SEP-1994  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/120,605  
 FILING DATE: 13-SEP-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: LITIGOR, TIMOTHY J.  
 REGISTRATION NUMBER: US 36,856  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-772-6000  
 TELEFAX: 415-772-6268  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5585 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: circular  
 MOLECULE TYPE: cDNA to mRNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 PUBLICATION INFORMATION:  
 DOCUMENT NUMBER: PCT/US94/09774  
 FILING DATE: 13-SEP-1994  
 us-08-305-221-1

Query Match Similarity 97.8%; Score 141.8; DB 30; Length 5585;  
 Best Local Similarity 98.6%; Pred. No. 4.4e-30; 0; Gaps 0;  
 Matches 143; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TGGGCCACTCCCTCTCGGGCTCTGGTCACCTGGCCGCGACCAAGGGTGC 60  
 Db 46 TGGGCCTCTCCCTCTCGGCTCTGGCTCTGGTCACCTGGCCGACCAAGGGTGC 105  
 Qy 61 CGAGCGCGGGTTGGCGGGCTTGTGGAGCGAGGAGGAGTGG 120  
 Db 106 CGAGCGCGGGTTGGCGGGCTTGTGGAGCGAGGAGGAGTGG 165  
 Qy 121 GCCAACTCATCACTAGGGTCTCTAGGGAGGAGGAGTGG 145  
 Db 166 GCCAACTCATCACTAGGGTCTCTAGGGAGGAGTGG 190

RESULT 45  
 US-09-000-003A-1  
 Sequence 1, Application US/09000003A  
 Patent No. 6652850  
 GENERAL INFORMATION:  
 APPLICANT: Philip Ramila Lebkowski, Jane S.  
 TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL LIPOSOMES AND THEIR USE IN TRANSFECTING DENDRITIC CELLS TO STIMULATE SPECIFIC IMMUNITY  
 NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Alexis Barron, Esq.  
 STREET: Suite 2600 Aramark Tower, 1101 Market Street  
 CITY: Philadelphia  
 STATE: PA  
 COUNTRY: United States of America  
 ZIP: 19107  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/000,003A  
 FILING DATE: 15-Jun-1998  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:

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OTHER INFORMATION: /product= "Bluescript KS II + Cloning vector"
FEATURE: 3' UTR
NAME/KEY: 3' UTR
LOCATION: 2039..2071
OTHER INFORMATION: /function= "3' untranslated region of human IL-2"
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-000-003A-1

Query Match 97.8%; Score 141.8; DB 4; Length 5585;
Best Local Similarity 98.6%; Pred. No. 4.4e-30; Indels 0; Gaps 0;
Matches 143; Conservative 0; Mismatches 2; Delins 0; Gaps 0;
Qy 1 TTGGCACTCCCTCTGGCCTTCGCTCTGGCTCACTGAGCCGGGACCAAAAGGTGCC 60
Db 46 TTGGCACTCCCTCTGGCCTTCGCTCTGGCTCACTGAGCCGGGACCAAAAGGTGCC 105
Qy 61 CGACGCCGGGTTTGCGGGGGCTCACTGAGCCAGGGCAGAGGGAGGTG 120
Db 106 CGACGCCGGGTTTGCGGGGGCTCACTGAGCCAGGGCAGAGGGAGGTG 165
Qy 121 GCCAACTCCATCACTAGGGTTCCT 145
Db 166 GCCAACTCCATCACTAGGGTTCCT 190

RESULT 46
US-09-276-625-6
; Sequence 6, Application US/09276625
; Sequence No. 6416392
; Patent No. 6416392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875..007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PabSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p1202
US-09-276-625-6

Query Match 95.6%; Score 138.6; DB 3; Length 272;
Best Local Similarity 97.2%; Pred. No. 2.5e-29; Indels 0; Gaps 0;
Matches 141; Conservative 0; Mismatches 4; Delins 0; Gaps 0;
Qy 1 TTGGCACTCCCTCTGGCCTTCGCTCTGGCTCACTGAGCCGGGACCAAAAGGTGCC 60
Db 69 TTGGCACTCCCTCTGGCCTTCGCTCTGGCTCACTGAGCCGGGACCAAAAGGTGCC 128
Qy 61 CGACGCCGGGTTTGCGGGGGCTCACTGAGCCAGGGCAGAGGGAGGTG 120
Db 129 CGACGCCGGGTTTGCGGGGGCTCACTGAGCCAGGGCAGAGGGAGGTG 188
Qy 121 GCCAACTCCATCACTAGGGTTCCT 145
Db 189 GCCAACTCCATCACTAGGGTTCCT 213

RESULT 47
US-07-989-841A-6/c
; Sequence 6, Application US/07989841A
; Patent No. 5418745
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System

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APPLICATION NUMBER: US/08/440,738A  
 FILING DATE: May 15, 1995  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Coruzzi, Laura A.  
 REGISTRATION NUMBER: 30,742  
 REFERENCE/DOCKET NUMBER: 6636-022  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 780-8090  
 TELEFAX: (212) 859-8864/9741  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MOLECULE TYPE: DNA (genomic)  
 US-08-440-738A-6

Query Match 93.4%; Score 135.4; DB 2; Length 145;  
 Best Local Similarity 95.9%; Pred. No. 1.8e-28;  
 Matches 139; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTCGCTCGTCACTGGCGGGGACCAAGGTGCC 60  
 Db 145 TTGGCCBGGCGCGCGCTCGCGCTCGTGTCACTGGCGGGGACCAAGGTGCC 86

Qy 61 CGACGCCGGGGCTTGGCGGGCTCACTGAGGAGGAGGAGTGC 120  
 Db 85 CGACGCCGGGGTTGGCGGGCTCACTGAGGAGGAGGAGTGC 26

Qy 121 GCCAATTCATCACTAGGGGTCT 145  
 Db 25 GCCAACCCAGCAAGCGGGTCCCT 1

RESULT 49  
 US-08-471-914-6/c  
 Sequence 6, Application US/08471914A  
 Patent No. 6057152  
 GENERAL INFORMATION:  
 APPLICANT: Samulski, R.  
 ATTORNEY: Xiao, X.  
 TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM  
 FILE REFERENCE: 6636-027  
 CURRENT APPLICATION NUMBER: US/08/471,914A  
 CURRENT FILING DATE: 1995-06-06  
 EARLIER APPLICATION NUMBER: 08/440,738  
 EARLIER FILING DATE: 1995-05-15  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 6  
 LENGTH: 145  
 TYPE: DNA  
 ORGANISM: adeno-associated virus

Query Match 93.4%; Score 135.4; DB 3; Length 145;  
 Best Local Similarity 95.9%; Pred. No. 1.8e-28;  
 Matches 139; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTGGCGCTCGCTCGTCACTGGCGGGGACCAAGGTGCC 60  
 Db 145 TTGGCCAGCGCCGCGCTCGCTCGTCACTGGCGGGGACCAAGGTGCC 86

Qy 61 CGACGCCGGGGCTTGGCGGGCTCACTGAGGAGGAGGAGTGC 120  
 Db 85 CGACGCCGGGGCTTGGCGGGCTCACTGAGGAGGAGGAGTGC 26

Qy 121 GCCAATTCATCACTAGGGGTCT 145  
 Db 25 GCCAACCCAGCAAGCGGGTCCCT 1

RESULT 50  
 US-08-702-573-5  
 Sequence 5, Application US/08702573  
 Patent No. 6033805  
 GENERAL INFORMATION:  
 APPLICANT: LATTIA, Martine  
 APPLICANT: DENEFLIE, Partrice  
 APPLICANT: VIGNE, Emmanuelle  
 APPLICANT: PERRICAUDET, Michel  
 TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES, PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF  
 NUMBER OF SEQUENCES: 13  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Rhone-Poulenc Rorer Inc.  
 STREET: 500 Arcola Rd. 3C43  
 CITY: Collegeville  
 STATE: PA  
 COUNTRY: USA  
 ZIP: 19426  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/702,573  
 FILING DATE: 08-FEB-1995  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PR 94/02445  
 FILING DATE: 03-MAR-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/FR95/00233  
 FILING DATE: 28-FEB-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Smith Ph.D., Julie K.  
 REGISTRATION NUMBER: 38,619  
 REFERENCE/DOCKET NUMBER: ST94011-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (610) 454-3839  
 TELEFAX: (610) 454-3808  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 194 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: other nucleic acid  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: 1..194  
 OTHER INFORMATION: /note= "Left AAV ITR From pXL2629"  
 US-08-702-573-5

Query Match 90.6%; Score 131.4; DB 3; Length 194;  
 Best Local Similarity 98.6%; Pred. No. 2.3e-27;  
 Matches 143; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 1 TTGGCCACTCCCTCTGGCGCTCGCTCGTCACTGGCGGGGACCAAGGTGCC 60  
 Db 6 TTGGCCACTCCCTCTGGCGCTCGCTCGTCACTGGCGGGGACCAAGGTGCC 65

Qy 61 CGACGCCGGGGCTTGGCGGGCTCACTGAGGAGGAGGAGTGC 120  
 Db 66 CGACGCCGGGGCTTGGCGGGCTCACTGAGGAGGAGGAGTGC 125

Qy 121 GCCAATTCATCACTAGGGGTCT 145  
 Db 126 G-CACTCCATCATAGGGTTCT 149

RESULT 51  
 US-08-525-866-1/C  
 ; Sequence 1, Application US/088525866  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NATSOULIS, GEORGES  
 ; APPLICANT: FURSKY, RICHARD T.  
 ; TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY  
 ; TITLE OF INVENTION: AND INTEGRATION SYSTEM  
 ; NUMBER OF SEQUENCES: 6  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: REED & ROBINS  
 ; STREET: 285 Hamilton Avenue, Suite 200  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; ZIP: 94301  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/525,866  
 ; FILING DATE: 08-SEP-1995  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: ROBINS, ROBERTA L.  
 ; REGISTRATION NUMBER: 33,208  
 ; REFERENCE/DOCKET NUMBER: 0800-00006  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (415) 327-3400  
 ; TELEFAX: (415) 327-3231  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 145 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; US-08-525-866-1

Query Match 86.2%; Score 125; DB 3; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-25;  
 Matches 125; Conservative 0; Mismatches 0; Gaps 0;  
 Indels 0; Delins 0; Gaps 0;

Qy 1 TTTGCCAATCCCTCTCTGGCTGCTCACTGGCGGGCCACAAAGGTGGCC 60  
 Db 125 TTGGCCAACTCCCTCTCTGGCTGCTCACTGGCGGGCCACAAAGGTGGCC 66

Qy 61 CGAGCGCCGGGGCTTGGCGGGCTTGGCGGGCTTGTGAGCGAGGAGGTG 120  
 Db 65 CGAGCGCCGGGGCTTGGCGGGCTTGTGAGCGAGGAGGTG 6

Qy 121 GCCAA 125  
 Db 5 GCCAA 1

RESULT 52  
 US-08-702-573-3  
 ; Sequence 3, Application US/08702573  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DENEFLE, Patrice  
 ; APPLICANT: VIGNE, Emmanuelle  
 ; APPLICANT: PERICAUDET, Michel  
 ; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,  
 ; TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF  
 ; NUMBER OF SEQUENCES: 13  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Rhone-Poulenc Rorer Inc.  
 ; STREET: 500 Arcola Rd. 3C43

CITY: Collegeville  
 STATE: PA  
 COUNTRY: USA  
 ZIP: 19426  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/702,573  
 FILING DATE:  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: FR 94/02445  
 FILING DATE: 03-MAR-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/FR95/00233  
 FILING DATE: 28-FEB-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Smith Ph.D., Julie K.  
 REGISTRATION NUMBER: 38,619  
 REFERENCE/DOCKET NUMBER: ST94011-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (610) 454-3819  
 TELEFAX: (610) 454-3808  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 192 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: other nucleic acid  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 1..192  
 OTHER INFORMATION: /note= "Right ITR Sequence in  
 Patent No. 6033885  
 OTHER INFORMATION: pXLF2384"  
 US-08-702-573-3

Query Match 86.2%; Score 125; DB 3; Length 192;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-25;  
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCAACTCCCTCTGGCTGCTCACTGGCGGGCCACAAAGGTGGCC 60  
 Db 68 TTGGCCAACTCCCTCTGGCTGCTCACTGGCGGGCCACAAAGGTGGCC 127

Qy 61 CGAGCGCCGGGGCTTGGCGGGCTTGTGAGCGAGGAGGTG 120  
 Db 128 CGAGCGCCGGGGCTTGTGAGCGAGGAGGTG 128

Qy 121 GCCAA 125  
 Db 188 GCCAA 192

RESULT 53  
 US-09-276-625-6/C  
 ; Sequence 6, Application US/09276625  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Englehardt, John F.  
 ; APPLICANT: Duan, Dongsheng  
 ; PATENT NO. 6416392  
 ; TITLE OF INVENTION: Adeno-associated virus vectors  
 ; FILE REFERENCE: 875.007US1  
 ; CURRENT APPLICATION NUMBER: US/09/276,625  
 ; CURRENT FILING DATE: 1999-03-25  
 ; PRIOR APPLICATION NUMBER: US 60/086,166  
 ; PRIOR FILING DATE: 1998-05-20  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: FastSEQ for Windows Version 4.0

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; SEQ ID NO 6
; LENGTH: 272
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p1202
US-09-276-625-6

Query Match Score 85.7%; DB 3; Length 272;
Best Local Similarity 91.0%; Pred. No. 2.3e-25;
Matches 132; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGCGCTCCTACTGAGCCGGGCGACCAAAGGTCCCC 60
Db 193 TTGGCCACTCCCTCTGCGCTCCTACTGAGCCGGGCGACCAAAGGCCGG 134
Qy 61 CGACGCCGGCTTGGCGGGCCCTAGTGAGCGAGCGAGGGAGTGT 120
Db 133 CGTCCGGCACCTTGTGCTCCCGCCCTAGTGAGCGAGCGAGGGAGTGT 74
Qy 121 GCAACTCCATCACTAGGGTTCT 145
Db 73 GCAACTCCATCACTAGGGTTCT 49

RESULT 54
US-09-394-110A-1/C
: Sequence 1, Application US/09394110A
: Patent No. 6451594
: GENERAL INFORMATION:
: APPLICANT: Chien, Kenneth
: APPLICANT: Wang, Yibin
: APPLICANT: Evans, Sylvia
: TITLE OF INVENTION: No. 6451594el Recombinant Adenovirus for Tissue Specific Express
: FILE REFERENCE: 6627-PA045
: CURRENT APPLICATION NUMBER: US/09/394,110A
: CURRENT FILING DATE: 1999-09-10
: NUMBER OF SEQ ID NOS: 3
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 1
: LENGTH: 174
: TYPE: DNA
: ORGANISM: adeno-associated virus 2
US-09-394-110A-1

Query Match Score 84.8%; DB 3; Length 174;
Best Local Similarity 100.0%; Pred. No. 4.7e-25;
Matches 123; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTGGCCACTCCCTCTGCGCTCCTACTGAGCCGGGCGACCAAAGTCGCC 60
Db 123 TTGGCCACTCCCTCTGCGCTCCTACTGAGCCGGGCGACCAAAGTCGCC 64
Qy 61 CGACGCCGGCTTGGCGGGCCCTAGTGAGCGAGCGAGGGAGTGT 120
Db 63 CGACGCCGGCTTGGCGGGCCCTAGTGAGCGAGCGAGGGAGTGT 4
Qy 121 GCC 123
Db 3 GCC 1

RESULT 55
US-09-276-625-4/C
: Sequence 4, Application US/09276625
: Patent No. 6436392
: GENERAL INFORMATION:
: APPLICANT: Engelhardt, John F.
: APPLICANT: Duan, Dongsheng
: TITLE OF INVENTION: Adeno-associated virus vectors
: FILE REFERENCE: 875-007US1
: CURRENT APPLICATION NUMBER: US/09/276,625
: CURRENT FILING DATE: 1999-03-25
: PRIOR APPLICATION NUMBER: US 60/086,166
: BPTO FILING DATE: 1998-05-20

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/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: FastSEQ For Windows Version 4.0
/ SEQ ID NO: 4
/ LENGTH: 272
/ TYPE: DNA
/ ORGANISM: AAV circular intermediate, clone P81
/ US-09-276-623-4

Query Match 82.3%; Score 119.4; DB 3; Length 272;
Best Local Similarity 89.0%; Pred. No. 4; 8e-24;
Matches 129; Conservative 0; Mismatches 16; Indels 0; Gaps 0

Qy 1 TTGGCCACMCCCTCTCTGGCCTGCTGCTACTGAGGCCGCGACCAAGCTGCC 60
Db 193 TTGGCCACCTCCCTCTGGCCTGCTGCTACTGAGGCCGCGACCAAGCTGCCGGG 13
Qy 61 CGAGCCCGGGCTTGTGGGGGCTAGTGCGAGGGGGAGAGGGAGTG 124
Db 133 CGGGGGACCTGGCCGGCTTGTGGGGGCTAGTGCGAGGGGGAGAGGGAGTG 74
Qy 121 GCAACTCCATCACTAGGGTTCT 145
Db 73 GCAACTCCATCACTAGGGTTCT 49

RESULT 55
US-08-525-866-1
/ Sequence 1, Application US/08525866
/ Patent No. 6207457
/ GENERAL INFORMATION:
/ APPLICANT: NATSOULIS, GEORGES
/ APPLICANT: FURSKY, RICHARD T.
/ TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY
/ TITLE OF INVENTION: AND INTEGRATION SYSTEM
/ NUMBER OF SEQUENCES: 6
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: REED & ROBINS
/ STREET: 285 Hamilton Avenue, Suite 200
/ CITY: Palo Alto
/ STATE: CA
/ COUNTRY: USA
/ ZPP: 94301
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/525, 866
/ FILING DATE: 08-SEP-1995
/ CLASSIFICATION: 514
/ ATTORNEY/AGENT INFORMATION:
/ NAME: ROBINS, ROBERTA L.
/ REGISTRATION NUMBER: 33,208
/ REFERENCE/DOCKET NUMBER: 0800-00006
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 327-3400
/ TELEFAX: (415) 327-3231
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 145 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-525-866-1

Query Match 81.2%; Score 117.8; DB 3; Length 145;
Best Local Similarity 88.3%; Pred. No. 1.3e-23;
Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0

Qy 1 TTGGCCACTCCCTCTGGCCTGCTACTGAGGCCGCGACCAAGCTGCC 60
Db 1 TTGGCCACCTCCCTCTGGCCTGCTACTGAGGCCGCGACCAAGCTGCCGGG 60

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Qy 61 CGAGCCCCGGCTTGCCTGGGGCCCTCAGTGAGGGGAGGAGCTG 120  
 Db 61 CGTGGGGGACCTTGGCCGGCTCAGTGAGGGAGCTG 120

Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 121 GCCAACTCCATCACTAGGGTTCT 145

RESULT 57  
 US-07-989-841A-1/C  
 ; Sequence 1, Application US/07989841A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xiao, X.  
 ; TITLE OF INVENTION: Recombinant Viral Vector System  
 ; NUMBER OF SEQUENCES: 6  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: U.S.A.  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/440,738A  
 ; FILING DATE: May 15, 1995  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Coruzzi, Laura A.  
 ; REGISTRATION NUMBER: 30,742  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 790-9090  
 ; TELEFAX: (212) 869-8864/9741  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 165 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: DNA (genomic)  
 ; US-08-440-738A-1

Query Match 81.2%; Score 117.8; DB 2; Length 165;  
 Best Local Similarity 88.3%; Pred. No. 1.3e-23;  
 Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 TTAGGCCACTCCCTCTCGGGCTCGCTGCTACTGGCCGGGCCAACAGGTGCC 60  
 Db 145 TTAGGCCACTCCCTCTCGGGCTCGCTGCTACTGGCCGGGCCAACAGGTGCC 86

Qy 61 CGAGCCCCGGCTTGGCCGGCTCAGTGAGGGAGCTG 120  
 Db 85 CGTGGGGGACCTTGGCCGGCTCAGTGAGGGAGCTG 120

Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 25 GCCAACTCCATCACTAGGGTTCT 1

RESULT 59  
 US-08-471-914-1/C  
 ; Sequence 1, Application US/08471914A  
 ; Patent No. 6057152  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Samulski, R.  
 ; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM  
 ; FILE REFERENCE: 6336-027  
 ; CURRENT APPLICATION NUMBER: US/08/471,914A  
 ; CURRENT FILING DATE: 1995-06-06  
 ; EARLIER APPLICATION NUMBER: 08/440,738  
 ; EARLIER FILING DATE: 1995-05-15  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 1  
 ; LENGTH: 165  
 ; TYPE: DNA

RESULT 58  
 US-08-440-738A-1/C  
 ; Sequence 1, Application US/08440738A  
 ; Patent No. 5869305

ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: double-D  
 US-08-471-914-1

Query Match 81.2%; Score 117.8; DB 3; Length 165;  
 Best Local Similarity 88.3%; Pred. No. 1.3e-23;  
 Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;  
 Qy 1 TTGGCCACTCCCTCTGGCGCTCGCTGGCTACTGAGCCAGGAAAGTCGCC 60  
 Db 145 TTGGCCACTCCCTCTGGCGCTCGCTGGCTACTGAGCCAGGAAAGTCGCC 86  
 Qy 61 CGACGCCGGGCTTGGCGGGCTCTGAGGAGGAGGAGGAGGAGGAGGAGT 120  
 Db 85 CGTGGCGGACCTTGGCGGGCTCTGAGGAGGAGGAGGAGGAGGAGT 26  
 Qy 121 GCCAACTCATCATCATAGGGTCTT 145  
 Db 25 GCCAACTCATCATAGGGTCTT 1

RESULT 60

US-09-276-625-7/c

Sequence 7, Application US/09276625

Patent No. 6436392

GENERAL INFORMATION:

APPLICANT: Engelhardt, John F.

APPLICANT: Duan, Dongsheng

TITLE OF INVENTION: Adeno-associated virus vectors

FILE REFERENCE: 875..007US1

CURRENT APPLICATION NUMBER: US/09/276,625

CURRENT FILING DATE: 1999-03-25

PRIOR APPLICATION NUMBER: US 60/086,166

PRIOR FILING DATE: 1998-05-20

NUMBER OF SEQ ID NOS: 13

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 7

LENGTH: 165

TYPE: DNA

ORGANISM: Unknown

FEATURE:

OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745

US-09-276-625-7

Query Match 81.2%; Score 117.8; DB 3; Length 165;  
 Best Local Similarity 88.3%; Pred. No. 1.3e-23;  
 Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;  
 Qy 1 TTGGCCACTCCCTCTGGCGCTCGCTGGCTACTGAGCCAGGAAAGTCGCC 60  
 Db 145 TTGGCCACTCCCTCTGGCGCTCGCTGGCTACTGAGCCAGGAAAGTCGCC 86  
 Qy 61 CGACGCCGGGCTTGGCGGGCTCTGAGGAGGAGGAGGAGGAGT 120  
 Db 85 CGTGGCGGACCTTGGCGGGCTCTGAGGAGGAGGAGGAGGAGT 26  
 Qy 121 GCCAACTCATCATAGGGTCTT 145  
 Db 25 GCCAACTCATCATAGGGTCTT 1

Search completed: July 5, 2005, 13:29:02  
 Job time : 118.722 sec<sub>s</sub>